

CORNELL UNIVERSITY
OFFICIAL PUBLICATION

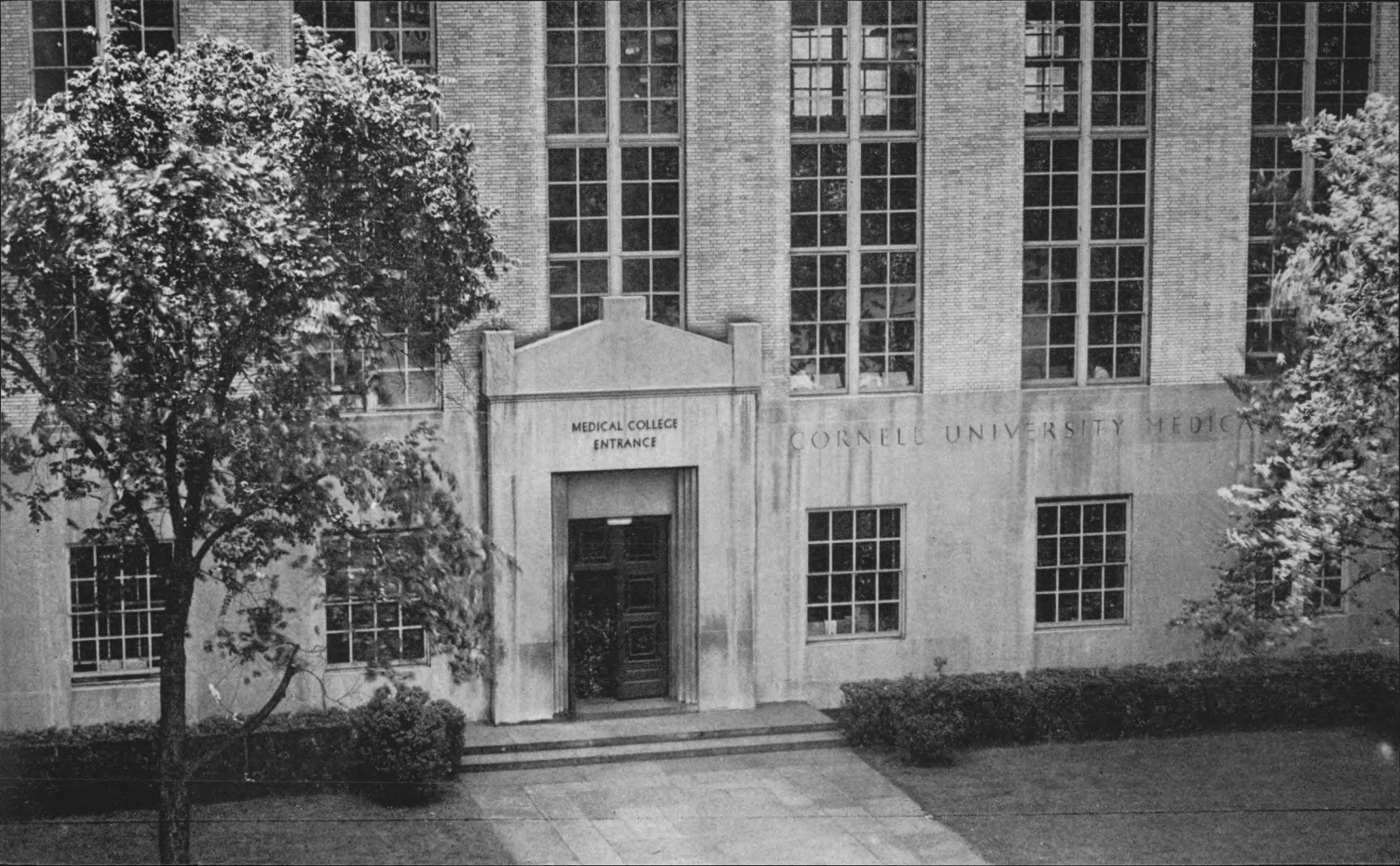
Ithaca, New York

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Medical College

1300 York Avenue, New York 21, N.Y.

1952-53



MEDICAL COLLEGE
ENTRANCE

CORNELL UNIVERSITY MEDICAL

Contents

Calendar	2-3
The New York Hospital-Cornell Medical Center	5
The College Council and Advisory Committee	5
Officers of Administration and Executive Faculty	7
Standing Committees	8
Faculty	9
General Statement	25
Requirements for Admission and Graduation	30
General Information:	
Fees, Prizes, Scholarships, Loans	37
Cornell University Medical College Alumni Association, Inc.	45
Educational Policies and Plan of Instruction	46
Description of Courses	48
Anatomy	48
Bacteriology and Immunology	50
Biochemistry	51
Medicine	53
Medical Comprehensive Care	60
Obstetrics and Gynecology	62
Pathology	65
Pediatrics	67
Pharmacology	69
Physiology and Biophysics	71
Psychiatry	73
Public Health and Preventive Medicine	76
Radiology	79
Surgery	81
Military Medicine	87
Special Students	89
Table of Required Hours	90
Sloan-Kettering Division and Faculty	95
Internship Appointments, Class of 1952	102
Register of Students, 1952-53	104
Register of the Medical College and Sloan-Kettering Staffs	111

1952

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27	28	29	30	31		

Calendar

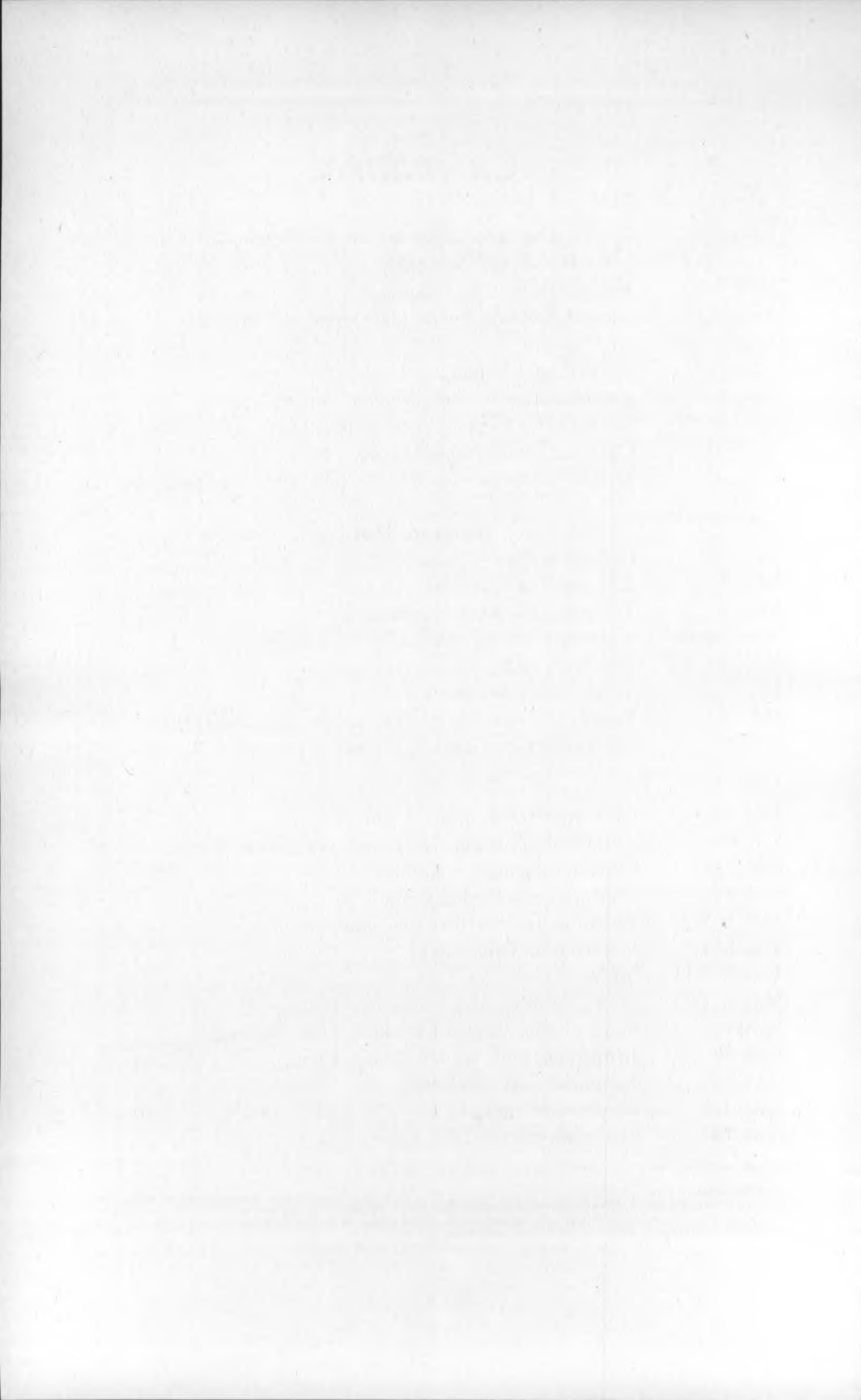
1952

June 23	Registration and beginning of instruction (first division) for fourth year students.
July 4-5	Independence Day—holiday.
August 16	Second division begins for fourth year students.
August 30-	
Sept. 1	Labor Day—holiday.
Sept. 8-9	Examinations for conditioned students.
Sept. 8-10	Registration for first, second, and third year classes.*
Sept. 10	Opening exercises, 3:30 p.m.
Sept. 11	Instruction begins for first, second, and third year classes, 9 a.m.
Oct. 10	Third division begins for fourth year students.
Oct. 13	Columbus Day—holiday.
Nov. 4	Election Day—holiday.
Nov. 27	Thanksgiving Day—holiday.
Nov. 28-29	Examinations for second year students.
Nov. 29	Fall term ends, 1 p.m.
Dec. 1	Winter term begins, 9 a.m.
Dec. 3	Fourth division begins for fourth year students.
Dec. 20	Christmas recess begins, 1 p.m.

1953

Jan. 5	Christmas recess ends, 9 a.m.
Feb. 6	Fifth division begins for fourth year students.
Feb. 12	Lincoln's Birthday—holiday.
Feb. 23	Washington's Birthday—holiday.
March 3-4	Examinations for first year students.
March 4	Winter term ends, 1 p.m.
March 5-11	Spring recess.
March 12	Spring term begins, 9 a.m.
April 8	Sixth division begins for fourth year students.
May 28	Instruction ends for all classes, 5 p.m.
May 30	Memorial Day—holiday.
June 1-4	Final examinations.
June 10	Commencement, 2:30 p.m.

* All students except fourth year students must register in person at the Administration Office on or before September 12. No student will be admitted after registration day without special permission. Upon registration, all fees must be paid at the Business Office. For fourth year students the first installment of tuition is payable on or before September 12.



The New York Hospital-Cornell Medical Center

THE CENTER was formed by an agreement between the Society of the New York Hospital and Cornell University in order to associate organically the hospital and the medical college and to effect a complete co-ordination of the medical, educational, and scientific activities of the two institutions.

The Center is operated under the supervision of a Joint Administrative Board, composed of three governors of the Society of the New York Hospital, three representatives of the Board of Trustees of Cornell University, and one other member elected by the appointed members.

The Joint Administrative Board is composed of the following members:

STANHOPE BAYNE-JONES, *President*

DEANE W. MALOTT

HAMILTON HADLEY

NEAL D. BECKER

HENRY S. STURGIS

ARTHUR H. DEAN

JOHN HAY WHITNEY

JOHN W. DAVIS

FORM FOR BEQUESTS

The Society of the New York Hospital is associated with the Cornell University Medical College, which is one of the colleges of Cornell University, under the title of "The New York Hospital-Cornell Medical Center."

Gifts or bequests should be made either to the Hospital or to the University, but not to the above-named Association.

If for the Hospital, the language may be: "I give and bequeath to the Society of the New York Hospital, the sum of \$....."

If for the College, the language may be: "I give and bequeath to Cornell University the sum of \$..... for use in connection with its Medical College in New York City." If it is desired that a gift shall be used in whole or in part for any specific purpose in connection with the College, such use may be specified.

THE COLLEGE COUNCIL

For the purpose of discharging its duties to the Memorial Hospital under the Douglas Deeds of Trust, the Board of Trustees is constituted as the Council of the Cornell University Medical College in New York City.

THE COLLEGE ADVISORY COMMITTEE

There is also established a Medical College Advisory Committee, which shall consist of eleven members: The President of the University, who shall be Chairman; the President of the Joint Administrative Board; four trustees to be elected by the Board of Trustees, one of whom shall be elected each year for the term of four years; the Dean of the Medical College; two members of the Faculty of the Medical College, to be elected by such Faculty, one each year for the term of two years; two alumni of the Medical College, one to be appointed by the Medical College Alumni Association and the other by the Board of Trustees, each for a term of one year.

The Committee at present consists of the following members:

DEANE W. MALOTT, President of the University, *Chairman*, ex officio

JOSEPH C. HINSEY, Dean of the Medical College, ex officio

S. BAYNE-JONES, President of the Joint Administrative Board, ex officio

DOROTHY MCS. ARNOLD

JACOB G. SCHURMAN, JR.

WILLIAM B. CORNELL

} of the Board
} of Trustees

R. GORDON DOUGLAS

ROBERT F. PITTS

} of the Faculty

PAUL REZNIKOFF

NELSON W. CORNELL

} of the Alumni

EDWARD K. TAYLOR, *Secretary*

Officers of Administration

DEANE W. MALOTT, *President of the University*

JOSEPH C. HINSEY, *Dean of the Medical College*

LAWRENCE W. HANLON, *Assistant Dean*

DAYTON J. EDWARDS, *Secretary of the Faculty*

EDWARD K. TAYLOR, *Assistant Treasurer and Business Manager*

BEATRICE BERLE, *Counselor to Foreign Students*

ANNA F. BURKE, *Librarian*

EXECUTIVE FACULTY

DEANE W. MALOTT

DAVID P. BARR

STANHOPE BAYNE-JONES

McKEEN CATTELL

OSKAR DIETHELM

R. GORDON DOUGLAS

VINCENT DU VIGNEAUD

FRANK GLENN

JOSEPH C. HINSEY

JOHN G. KIDD

SAMUEL Z. LEVINE

JAMES M. NEILL

ROBERT F. PITTS

WILSON G. SMILLIE

*Standing Committees**

COMMITTEE ON CURRICULUM

Vincent du Vigneaud, *Chairman*

David P. Barr
Charles G. Child, III
Oskar Diethelm

R. Gordon Douglas
John G. Kidd
Samuel Z. Levine

John Y. Sugg

COMMITTEE ON ADMISSIONS

Lawrence W. Hanlon, *Chairman*

William H. Dunn
Dayton J. Edwards
Donald B. Melville

Wilson G. Smillie
Richard B. Stark
Alphonse E. Timpanelli

Preston A. Wade

LIBRARY COMMITTEE

Thomas P. Almy, *Chairman*

Henry L. Barnett
Harry W. Burnett
McKeen Cattell
Frank Glenn

James D. Hardy
John MacLeod
Julian R. Rachele
Anna F. Burke

COMMITTEE ON PROMOTION AND GRADUATION

Joseph C. Hinsey, *Chairman*

Heads of departments, or their representatives, responsible for the more important courses of each year.

COMMITTEE ON SCHOLARSHIPS

James M. Neill, *Chairman*

Charles G. Child, III

John M. McLean
Paul Reznikoff

COMMITTEE ON PRIZES IN RESEARCH

Robert F. Pitts, *Chairman*

Thomas P. Almy

S. W. Moore
John MacLeod

* The Dean is ex officio a member of all committees.

*Faculty**

DEANE W. MALOTT, *President of the University.* (A.B. 1921, University of Kansas; M.B.A. 1923, Harvard Business School; LL.D. 1941, Washburn University; LL.D. 1951, Bryant College; LL.D. 1951, Hamilton College.)
 JOSEPH C. HINSEY, *Dean of the Medical College.* (B.S. 1922, M.S. 1923, Northwestern; Ph.D. 1927, Washington University.)

EMERITUS PROFESSORS

RUSSELL L. CECIL, M.D. [1910; 1950]	<i>Professor of Clinical Medicine</i>
EUGENE F. DuBOIS, M.D. [1910; 1950]	<i>Professor of Physiology</i>
DAYTON J. EDWARDS, Ph.D. [1918; 1950]	<i>Professor of Physiology</i>
N. CHANDLER FOOT, M.D. [1932; 1948]	<i>Professor of Surgical Pathology</i>
MALCOLM GOODRIDGE, M.D. [1910; 1946]	<i>Professor of Clinical Medicine</i>
CONNIE M. GUION, M.D. [1924; 1951]	<i>Professor of Clinical Medicine</i>
JAMES A. HARRAR, M.D. [1932; 1948]	<i>Professor of Clinical Obstetrics and Gynecology</i>
ELISE STRANG L'ESPERANCE, M.D. [1910; 1950]	<i>Professor of Clinical Public Health and Preventive Medicine</i>
EUGENE L. OPIE, M.D. [1932; 1941]	<i>Professor of Pathology</i>
GEORGE PAPANICOLAOU, M.D. [1914; 1951]	<i>Professor of Clinical Anatomy</i>
BERNARD R. SAMUELS, M.D. [1914; 1942]	<i>Professor of Clinical Surgery (Ophthalmology)</i>
OSCAR M. SCHLOSS, M.D. [1918; 1950]	<i>Professor of Clinical Pediatrics</i>
HANS J. SCHWARTZ, M.D. [1911; 1942]	<i>Professor of Clinical Medicine (Dermatology)</i>
ALEXANDER R. STEVENS, M.D. [1924; 1946]	<i>Professor of Clinical Surgery (Urology)</i>
JOSHUA E. SWEET, M.D. [1926; 1941]	<i>Professor of Experimental Surgery</i>

PROFESSORS

DAVID P. BARR, *Professor of Medicine.* Physician-in-Chief, New York Hospital; Consulting Physician, Bellevue Hospital. (A.B. 1911, M.D. 1914, Cornell; LL.D. 1929, Central College; Sc.D. 1946, Washington University. [1916; 1941])
 DONALD G. W. BROOKING, *Professor of Military Science and Tactics.* Captain, M.C., U.S. Army. (B.S. 1946, B.M. 1948, M.D. 1949, University of Minnesota. [1951])
 ALEXANDER BRUNSCHWIG, *Professor of Clinical Surgery.* Attending Surgeon, Memorial Hospital. (B.A. 1923, M.S. 1924, University of Chicago; M.D. 1926, Rush. [1947])
 McKEEN CATTELL, *Professor of Pharmacology.* (B.S. 1914, Columbia; A.M. 1917, Ph.D. 1920, M.D. 1924, Harvard. [1924; 1943])

* The figures in brackets following the name of each faculty member indicate the date of original appointment and the year of induction into present rank.

- LLOYD F. CRAVER, *Professor of Clinical Medicine*. Attending Physician, Memorial Hospital. (A.B. 1915, M.D. 1918, Cornell. [1934; 1952])
- OSKAR DIETHELM, *Professor of Psychiatry*. Psychiatrist-in-Chief, New York Hospital. (Statexamen 1922, U. of Zurich; M.D. 1923, U. of Berne. [1936])
- R. GORDON DOUGLAS, *Professor of Obstetrics and Gynecology*. Obstetrician-and-Gynecologist-in-Chief, New York Hospital. (M.D.C.M. 1924, McGill. [1932; 1949])
- GUILFORD S. DUDLEY, *Professor of Clinical Surgery*. Attending Surgeon, New York Hospital; Consultant in Surgery, Second Surgical Division, Bellevue Hospital. (A.B. 1910, M.D. 1913, Cornell. [1917; 1949])
- VINCENT DU VIGNEAUD, *Professor of Biochemistry*. (B.S. 1923, M.S. 1924, Illinois; Ph.D. 1927, Rochester. [1938])
- FRANK GLENN, *Lewis Atterbury Stimson Professor of Surgery*. Surgeon-in-Chief, New York Hospital. (M.D. 1927, Washington University. [1932; 1947])
- BYRON H. GOFF, *Professor of Clinical Obstetrics and Gynecology*. Consultant in Obstetrics and Gynecology, New York Hospital. (B.S. 1908, M.D. 1911, Pennsylvania. [1935; 1950])
- HARRY GOLD, *Professor of Clinical Pharmacology*. (A.B. 1919, M.D. 1922, Cornell. [1922; 1947])
- PHYLLIS GREENACRE, *Professor of Clinical Psychiatry*. Attending Psychiatrist, New York Hospital. (B.S. 1913, U. of Chicago; M.D. 1916, Rush. [1932; 1933])
- LOUIS HAUSMAN, *Professor of Clinical Medicine (Neurology)*. Associate Attending Physician (Neurology), New York Hospital; Visiting Neurologist in Charge, Bellevue Hospital. (A.B. 1912, College of the City of New York; M.D. 1916, Cornell. [1923; 1945])
- JOSEPH C. HINSEY, *Dean; Professor of Anatomy*. (B.S. 1922, M.S. 1923, Northwestern; Ph.D. 1927, Washington University; ScD. 1951, Northwestern. [1936])
- JOHN G. KIDD, *Professor of Pathology*. Pathologist-in-Chief, New York Hospital. (A.B. 1928, Duke; M.D. 1932, Johns Hopkins. [1944])
- SAMUEL Z. LEVINE, *Professor of Pediatrics*. Pediatrician-in-Chief, New York Hospital. (A.B. 1916, College of the City of New York; M.D. 1920, Cornell. [1924; 1936])
- GEORGE M. LEWIS, *Professor of Clinical Medicine (Dermatology)*. Attending Physician (Dermatology), New York Hospital. (M.D. 1925, University of Alberta; L.M.C.C. 1925, Medical College of Canada. [1932; 1949])
- ASA L. LINCOLN, *Professor of Clinical Medicine*. Associate Attending Physician, New York Hospital; Visiting Physician, Bellevue Hospital. (A.B. 1910, M.A. 1911, Elon College; M.D. 1916, Johns Hopkins. [1921; 1941])
- WILLIAM F. MacFEE, *Professor of Clinical Surgery*. Attending Surgeon, New York Hospital. (A.B. 1914, University of Tennessee; M.D. 1918, Johns Hopkins. [1936; 1952])
- JOHN M. McLEAN, *Professor of Clinical Surgery (Ophthalmology)*. Attending Surgeon in Charge of Ophthalmology, New York Hospital. (M.E. 1930, Stevens Institute; M.D. 1934, Cornell. [1941; 1943])
- CHARLES V. MORRILL, *Professor of Anatomy*. (A.B. 1903, College of the City of New York; A.M. 1906, Ph.D. 1910, Columbia. [1915; 1951])
- JAMES M. NEILL, *Professor of Bacteriology and Immunology*. (B.S. 1917, Allegheny; Ph.D. 1921, Massachusetts Agricultural College; D.Sc. 1940, Allegheny. [1931])
- ARTHUR PALMER, *Professor of Clinical Surgery (Otolaryngology)*. Attending Surgeon (Otolaryngology), New York Hospital. (A.B. 1911, Brown; M.D. 1915, Cornell. [1923; 1948])
- JOHN M. PEARCE, *Professor of Pathology; Professor of Pathology in Surgery*. At-

- tending Pathologist, New York Hospital. (Ph.B. 1930, Yale; M.D. 1934, Harvard. [1948])
- ROBERT F. PITTS, *Professor of Physiology*. (B.S. 1929, Butler University; Ph.D. 1932, Johns Hopkins; M.D. 1938, New York University. [1942; 1950])
- BRONSON S. RAY, *Professor of Clinical Surgery (Neurosurgery)*. Attending Surgeon in Charge of Neurosurgery, New York Hospital; Consulting Neuro-surgeon, New York Hospital, Westchester Division; Clinical Assistant Visiting Neuro-Psychiatrist, Bellevue Hospital. (B.S. 1924, Franklin; M.D. 1928, Northwestern. [1932; 1948])
- THOMAS A. C. RENNIE, *Professor of Psychiatry (Social Psychiatry)*. Attending Psychiatrist, New York Hospital. (B.S. 1924, University of Pittsburgh; M.D. 1928, Harvard. [1942; 1950])
- PAUL REZNIKOFF, *Professor of Clinical Medicine*. Attending Physician, New York Hospital; Consulting Physician, Bellevue Hospital. (B.S. 1916, New York University; M.D. 1920, Cornell. [1924; 1946])
- WILSON G. SMILLIE, *Professor of Public Health and Preventive Medicine*. Consultant in Preventive Medicine and Public Health, New York Hospital. (A.B. 1908, Colorado College; M.D. 1912, D.P.H. 1916, Harvard. [1937])
- LEWIS D. STEVENSON, *Professor of Clinical Medicine (Neurology)*; *Associate Professor of Pathology*. Attending Pathologist, Associate Attending Physician (Neurology), New York Hospital; Consulting Neurologist, New York Hospital, Westchester Division; Associate Visiting Neuro-Psychiatrist, Bellevue Hospital. (A.B. 1916, M.D. 1916, Queen's University. [1922; 1945])
- HAROLD L. TEMPLE, *Professor of Clinical Radiology*. Attending Radiologist, New York Hospital. (B.S. 1932, M.D. 1935, University of Nebraska. [1941; 1946])
- SYDNEY WEINTRAUB, *Professor of Clinical Radiology*. Attending Radiologist, New York Hospital. (M.D. 1918, Columbia. [1932; 1950])
- MAY G. WILSON, *Professor of Clinical Pediatrics*. Associate Attending Pediatrician, New York Hospital. (M.D. 1911, Cornell. [1918; 1952])
- PHILIP D. WILSON, *Professor of Clinical Surgery (Orthopedics)*. Attending Surgeon (Orthopedics), New York Hospital; Surgeon-in-Chief, Hospital for Special Surgery. (A.B. 1909, M.D. 1912, Harvard. [1951])
- HAROLD G. WOLFF, *Professor of Medicine (Neurology)*; *Associate Professor of Psychiatry*. Attending Physician, Associate Attending Psychiatrist, New York Hospital; Consulting Neurologist, New York Hospital, Westchester Division; Clinical Assistant Visiting Neuro-Psychiatrist, Bellevue Hospital. (B.S. 1918, College of the City of New York; M.D. 1923, M.A. 1928, Harvard. [1931; 1948])
- IRVING S. WRIGHT, *Professor of Clinical Medicine*. Attending Physician, New York Hospital. (A.B. 1923, M.D. 1926, Cornell. [1946; 1949])

ASSOCIATE PROFESSORS

- FRANK E. ADAIR, *Associate Professor of Clinical Surgery*. Attending Surgeon, Memorial Hospital. (A.B. 1910, ScD. 1934, Marietta College; M.D. 1915, Johns Hopkins. [1934; 1938])
- THOMAS P. ALMY, *James Ewing Associate Professor of Neoplastic Diseases (Medicine)*. Associate Attending Physician, New York Hospital. Assistant Attending Physician, Memorial Hospital. (A.B. 1935, M.D. 1939, Cornell. [1940; 1948])
- ARTHUR F. ANDERSON, *Associate Professor of Clinical Pediatrics*. Associate Attending Pediatrician, New York Hospital. (M.D. 1916, Tufts. [1930; 1948])
- JOSEPH F. ARTUSIO, JR. *Associate Professor of Surgery (Anesthesiology)*. Anesthesiologist-in-Charge, New York Hospital. (B.S. 1939, St. Peter's; M.D. 1943, Cornell. [1946; 1952])
- HORACE S. BALDWIN, *Associate Professor of Clinical Medicine*. Associate At-

- tending Physician, New York Hospital. (B.S. 1917, Wesleyan University; M.D. 1921, Cornell. [1923; 1947])
- WILLIAM A. BARNES, *Associate Professor of Clinical Surgery*. Associate Attending Surgeon, New York Hospital. (A.B. 1933, College of the City of New York; M.D. 1937, Cornell. [1938; 1946])
- HENRY L. BARNETT, *Associate Professor of Pediatrics*. Associate Attending Pediatrician, New York Hospital. (B.S. 1938, M.D. 1938, Washington University. [1946; 1950])
- CHARLES M. BERRY, *Associate Professor of Anatomy*. (A.B. 1938, De Pauw; M.S. 1939, Ph.D. 1941, Northwestern. [1947; 1951])
- CARL A. BINGER, *Associate Professor of Clinical Psychiatry*. Associate Attending Psychiatrist, New York Hospital. (A.B. 1910, M.D. 1914, Harvard. [1932; 1948])
- GEORGE E. BINKLEY, *Associate Professor of Clinical Surgery*. Attending Surgeon, Memorial Hospital. (M.B. 1914, Toronto. [1950; 1952])
- ROY W. BONSNES, *Associate Professor of Biochemistry; Associate Professor of Biochemistry in Obstetrics and Gynecology*. (B.S. 1930, University of Connecticut; Ph.D. 1939, Yale. [1941; 1950])
- CHARLES G. CHILD, III, *Associate Professor of Clinical Surgery*. Attending Surgeon, New York Hospital. (A.B. 1930, Yale; M.D. 1934, Cornell. [1935; 1947])
- ANTHONY C. CIPOLLARO, *Associate Professor of Clinical Medicine (Dermatology)*. Assistant Attending Physician, New York Hospital. (B.S. 1924, Dartmouth; M.D. 1927, Columbia. [1948; 1951])
- BRADLEY L. COLEY, *Associate Professor of Clinical Surgery*. Attending Surgeon, Memorial Hospital. (A.B. 1915, Yale; M.D. 1919, Columbia. [1941; 1950])
- HERBERT CONWAY, *Associate Professor of Clinical Surgery (Plastic Surgery)*. Attending Surgeon in Charge of Plastic Surgery, New York Hospital. (M.B. 1928, B.S. 1929, M.D. 1929, M.S. 1932, University of Cincinnati. [1932; 1946])
- WILLIAM A. COOPER, *Associate Professor of Clinical Surgery*. Assistant Attending Surgeon, New York Hospital. (A.B. 1928, Stanford University; M.D. 1932, Cornell. [1934; 1946])
- NELSON W. CORNELL, *Associate Professor of Clinical Surgery*. Associate Attending Surgeon, New York Hospital. (A.B. 1918, M.D. 1921, Cornell. [1925; 1942])
- HAROLD W. K. DARGEON, *Associate Professor of Clinical Pediatrics*. Attending Pediatrician, Memorial Hospital. (M.D. 1922, Albany. [1947; 1951])
- EMERSON DAY, *Associate Professor of Clinical Public Health and Preventive Medicine*. Director, Strang Cancer Prevention Clinic, Memorial Hospital. (B.S. 1934, Dartmouth; M.D. 1938, Harvard. [1947; 1950])
- *JOHN E. DEITRICK, *Associate Professor of Medicine*. Associate Attending Physician, New York Hospital. (B.S. 1929, Princeton; M.D. 1933, Johns Hopkins. [1934; 1946])
- EDWARD H. DENNEN, *Associate Professor of Clinical Obstetrics and Gynecology*. Attending Obstetrician and Gynecologist, New York Hospital. (M.D. 1919, Tufts. [1933; 1949])
- J. LOUISE DESPERT, *Associate Professor of Clinical Psychiatry*. Associate Attending Psychiatrist, New York Hospital. (A.B. 1928, Barnard; M.D. 1932, New York University. [1939; 1951])
- JOHN W. DRAPER, *Associate Professor of Clinical Surgery (Urology)*. Associate Attending Surgeon (Urology), New York Hospital; Visiting Surgeon in Charge of Urological Service, Bellevue Hospital. (A.B. 1927, Dartmouth; M.D. 1931, Cornell. [1932; 1949])
- WILLIAM H. DUNN, *Associate Professor of Clinical Psychiatry*. Associate Attend-

* On leave of absence.

- ing Psychiatrist, New York Hospital. (A.B. 1923, Rochester; M.D. 1927, Harvard. [1932; 1947])
- HENRY S. DUNNING, *Associate Professor of Clinical Medicine (Neurology)*. Associate Attending Physician, New York Hospital. (A.B. 1927, M.D. 1930, Cornell. [1932; 1948])
- JOHN H. ECKEL, *Associate Professor of Clinical Surgery*. Assistant Attending Surgeon, New York Hospital; Associate Visiting Surgeon, Bellevue Hospital. (B.S. 1929, New York University; M.D. 1933, Cornell. [1934; 1946])
- CARY EGGLESTON, *Associate Professor of Clinical Medicine*. Consulting Physician, New York Hospital; Consulting Physician, Bellevue Hospital. (M.D. 1907, Cornell. [1911; 1939])
- JOHN A. EVANS, *Associate Professor of Radiology*. Radiologist-in-Chief, New York Hospital. (B.S. 1931, New York University; M.D. 1935, Cornell. [1937; 1952])
- CLAUDE E. FORKNER, *Associate Professor of Clinical Medicine*. Attending Physician, New York Hospital. (A.B. 1922, M.A. 1923, University of California; M.D. 1926, Harvard. [1938; 1946])
- RICHARD H. FREYBERG, *Associate Professor of Clinical Medicine*. Assistant Attending Physician, New York Hospital. (A.B. 1926, M.D. 1930, M.S. 1934, University of Michigan. [1945])
- KRISTIAN G. HANSSON, *Associate Professor of Clinical Surgery (Physical Medicine)*. Director of Physical Medicine, New York Hospital. (A.B. 1920, M.D. 1923, Cornell. [1925; 1948])
- JAMES D. HARDY, *Associate Professor of Physiology*. (A.B. 1924, A.M. 1925, Mississippi; Ph.D. 1930, Johns Hopkins. [1937; 1947])
- EDWIN T. HAUSER, *Associate Professor of Clinical Medicine*. Attending Physician, New York Hospital. (A.B. 1916, College of the City of New York; M.D. 1922, Cornell. [1925; 1949])
- EDWARD J. HEHRE, *Associate Professor of Bacteriology and Immunology*. (A.B. 1934, M.D. 1937, Cornell. [1938; 1949])
- GEORGE W. HENRY, *Associate Professor of Clinical Psychiatry*. Attending Psychiatrist, New York Hospital. (A.B. 1912, Wesleyan; M.D. 1916, Johns Hopkins. [1928; 1932])
- CRANSTON W. HOLMAN, *Associate Professor of Clinical Surgery*. Associate Attending Surgeon, New York Hospital; Assistant Visiting Surgeon, Bellevue Hospital. (A.B. 1927, M.D. 1930, Stanford. [1932; 1946])
- CARL T. JAVERT, *Associate Professor of Obstetrics and Gynecology*. Attending Obstetrician and Gynecologist, New York Hospital. (M.D. 1932, Buffalo. [1937; 1949])
- MORTON C. KAHN, *Associate Professor of Public Health and Preventive Medicine*. (B.S. 1916, Ph.D. 1924, Cornell; A.M. 1917, Columbia; ScD. 1938, Havana. [1919; 1934])
- HENRY D. LAUSON, *Associate Professor of Physiology; Associate Professor of Physiology in Pediatrics*. Assistant Attending Pediatrician, New York Hospital. (B.S. 1936, Ph.D. 1939, M.D. 1940, University of Wisconsin. [1950; 1951])
- FREDERICK L. LIEBOLT, *Associate Professor of Clinical Surgery (Orthopedics)*. Attending Surgeon in Charge of Orthopedics, New York Hospital. (A.B. 1925, LL.D. 1928, University of Arkansas; M.D. 1930, Washington University; Sc.D. 1937, Columbia. [1939; 1946])
- MARY E. H. LOVELESS, *Associate Professor of Clinical Medicine (Allergy)*. Assistant Attending Physician, New York Hospital. (A.B. 1921, M.D. 1925, Stanford. [1939; 1948])
- JOHN MACLEOD, *Associate Professor of Anatomy; Assistant Professor of Physiology*. (A.B. 1934, M.Sc. 1937, New York University; Ph.D. 1941, Cornell. [1941; 1949])

- GERVAIS W. McAULIFFE, *Associate Professor of Clinical Surgery (Otolaryngology)*. Attending Surgeon (Otolaryngology), New York Hospital. (M.D. 1920, Long Island College Hospital. [1926; 1942])
- HOWARD S. McCANDLISH, *Associate Professor of Clinical Obstetrics and Gynecology*. Attending Obstetrician and Gynecologist, New York Hospital. (M.D. 1917, University of Virginia. [1921; 1949])
- WALSH McDERMOTT, *Associate Professor of Medicine*. Attending Physician, New York Hospital. (A.B. 1930, Princeton; M.D. 1934, Columbia. [1935; 1946])
- CHARLES M. McLANE, *Associate Professor of Clinical Obstetrics and Gynecology*. Attending Obstetrician and Gynecologist, New York Hospital; Assistant Attending Radiologist (Obstetrics and Gynecology), New York Hospital. (A.B. 1924, M.D. 1928, Johns Hopkins. [1932; 1949])
- ALLISTER M. McLELLAN, *Associate Professor of Clinical Surgery (Urology)*. Attending Surgeon (Urology), New York Hospital; Attending Urologist, New York Hospital, Westchester Division. (M.D. 1924, McGill. [1932; 1948])
- VICTOR F. MARSHALL, *Associate Professor of Clinical Surgery (Urology)*. Attending Surgeon in Charge of Urology, New York Hospital; Assistant Attending Surgeon, Memorial Hospital. (M.D. 1937, University of Virginia. [1938; 1946])
- HAYES E. MARTIN, *Associate Professor of Clinical Surgery*. Attending Surgeon, Memorial Hospital. (A.B. 1911, M.D. 1917, Iowa. [1941; 1950])
- DONALD B. MELVILLE, *Associate Professor of Biochemistry*. (B.S. 1936, M.S. 1937, Ph.D. 1939, University of Illinois. [1944; 1948])
- ADE T. MILHORAT, *Associate Professor of Medicine in Psychiatry; Associate Professor of Clinical Psychiatry*. Attending Physician, New York Hospital. (A.B. 1924, Columbia; M.D. 1928, Cornell. [1933; 1951])
- JAMES A. MOORE, *Associate Professor of Clinical Surgery (Otolaryngology)*. Attending Surgeon in Charge of Otolaryngology, New York Hospital. (B.S. 1930, Davidson College; M.D. 1934, Harvard. [1941; 1948])
- S. W. MOORE, *Associate Professor of Clinical Surgery*. Attending Surgeon, New York Hospital; Assistant Visiting Surgeon, Bellevue Hospital. (B.S. 1926, Davidson; M.D. 1930, Harvard. [1932; 1946])
- CARL MUSCHENHEIM, *Associate Professor of Clinical Medicine*. Attending Physician, New York Hospital. (A.B. 1928, M.D. 1931, Columbia. [1933; 1946])
- JOSEPH N. NATHANSON, *Associate Professor of Clinical Obstetrics and Gynecology*. Attending Obstetrician and Gynecologist, New York Hospital. (M.D.C.M. 1919, McGill. [1926; 1951])
- WILLIAM F. NICKEL, JR., *Associate Professor of Clinical Surgery*. Assistant Attending Surgeon, New York Hospital; Associate Visiting Surgeon, Bellevue Hospital. (A.B. 1930, M.D. 1934, Johns Hopkins. [1935; 1950])
- THEODORE W. OPPEL, *Associate Professor of Clinical Medicine*. Attending Physician, New York Hospital. (A.B. 1926, M.A. 1927, Wisconsin; M.D. 1929, Pennsylvania. [1923; 1951])
- GEORGE T. PACK, *Associate Professor of Clinical Surgery*. Attending Surgeon, Memorial Hospital. (B.S. 1920, Ohio State; M.D. 1922, Yale. [1935; 1950])
- HAROLD E. B. PARDEE, *Associate Professor of Clinical Medicine*. Associate Attending Physician, New York Hospital. (A.B. 1906, M.D. 1909, Columbia. [1917; 1926])
- RUSSEL H. PATTERSON, *Associate Professor of Clinical Surgery*. Associate Attending Surgeon, New York Hospital; Visiting Surgeon, Bellevue Hospital. (A.B. 1914, Georgia; M.D. 1918, Harvard. [1921; 1946])
- E. COOPER PERSON, JR., *Associate Professor of Clinical Surgery*. Assistant Attending Surgeon, New York Hospital; Associate Visiting Surgeon, Bellevue Hospital. (A.B. 1931, University of North Carolina; M.D. 1935, Cornell. [1936; 1946])
- RALPH F. PHILLIPS, *Associate Professor of Radiology*. Associate Attending Radia-

- tion Therapist, Memorial Hospital. (B.S.M.B. 1928, M.S. 1930, University of London; D.M.R.E. 1933, Royal College of England. [1950; 1951])
- JULIAN R. RACHELE, *Associate Professor of Biochemistry*. (B.A. 1934, M.S. 1935, Ph.D. 1939, New York University. [1940; 1948])
- HENRY B. RICHARDSON, *Associate Professor of Clinical Medicine*. Attending Physician, New York Hospital; Visiting Physician, Bellevue Hospital. (A.B. 1910, M.D. 1914, Harvard. [1924; 1932])
- WALTER F. RIKER, *Associate Professor of Pharmacology*. (B.S. 1939, Columbia; M.D. 1943, Cornell. [1941; 1950])
- SIDNEY ROTHBARD, *Associate Professor of Medicine*. Assistant Attending Physician, New York Hospital. (A.B. 1931, Colgate; M.D. 1935, Rochester. [1951])
- ROBERT S. SHERMAN, *Associate Professor of Radiology*. Attending Roentgenologist, Memorial Hospital. (Ph.B. 1931, Brown; M.D. 1935, Harvard. [1947; 1951])
- EPHRAIM SHORR, *Associate Professor of Medicine*. Attending Physician, New York Hospital. (A.B. 1919, M.D. 1922, Yale. [1926; 1942])
- DONALD J. SIMONS, *Associate Professor of Clinical Medicine*. Assistant Attending Physician, New York Hospital; Associate Visiting Neuro-Physiatrist, Bellevue Hospital. (A.B. 1927, Brown; M.D. 1931, Harvard. [1939; 1948])
- CARL H. SMITH, *Associate Professor of Clinical Pediatrics*. Associate Attending Pediatrician, New York Hospital. (B.A. 1915, College of the City of New York; M.A. 1917, Columbia; M.D. 1922, Cornell. [1928; 1947])
- FRANK R. SMITH, *Associate Professor of Clinical Obstetrics and Gynecology*. Attending Obstetrician and Gynecologist, New York Hospital; Associate Attending Surgeon, Memorial Hospital. (A.B. 1917, Yale; M.D. 1921, Harvard. [1932; 1950])
- RICHMOND STEPHENS, *Associate Professor of Clinical Surgery (Orthopedics)*. Attending Surgeon (Orthopedics), New York Hospital; Attending Orthopedic Surgeon, Hospital for Special Surgery. (B.S. 1911, M.D. 1913, Columbia. [1951])
- HAROLD J. STEWART, *Associate Professor of Medicine*. Attending Physician, New York Hospital. (A.B. 1915, M.D. 1919, A.M. 1923, Johns Hopkins. [1932])
- PHILIP M. STIMSON, *Associate Professor of Clinical Pediatrics*. Associate Attending Pediatrician, New York Hospital. (A.B. 1910, Yale; M.D. 1914, Cornell. [1919; 1942])
- JOHN Y. SUGG, *Associate Professor of Bacteriology and Immunology*. (B.S. 1926, Ph.D. 1931, Vanderbilt. [1932; 1943])
- HENRY J. TAGNON, *Associate Professor of Clinical Medicine*. Associate Attending Physician, Memorial Hospital. (B.S. 1931, Liège; M.D. 1936, Brussels. [1947; 1948])
- T. CAMPBELL THOMPSON, *Associate Professor of Clinical Surgery (Orthopedics)*. Attending Surgeon (Orthopedics), New York Hospital; Attending Orthopedic Surgeon, Hospital for Special Surgery. (A.B. 1924, Rollins; M.D. 1928, Johns Hopkins; M.Sc.D. 1936, Columbia. [1951])
- EDWARD TOLSTOI, *Associate Professor of Clinical Medicine*. Attending Physician, New York Hospital. (A.B. 1919, Yale; M.D. 1923, Cornell. [1927; 1947])
- RALPH R. TOMPSETT, *Associate Professor of Medicine*. Associate Attending Physician, New York Hospital. (A.B. 1934, M.D. 1939, Cornell. [1947; 1952])
- JANET TRAVELL, *Associate Professor of Clinical Pharmacology*. (A.B. 1922, Wellesley; M.D. 1926, Cornell. [1930; 1947])
- PRESTON A. WADE, *Associate Professor of Clinical Surgery*. Associate Attending Surgeon, New York Hospital. (A.B. 1922, M.D. 1925, Cornell. [1927; 1946])
- LEWIS C. WAGNER, *Associate Professor of Clinical Surgery (Orthopedics)*. Attending Surgeon (Orthopedics), New York Hospital; Attending Orthopedic Surgeon, Hospital for Special Surgery. (A.B. 1916, Georgetown; M.D. 1920, Johns Hopkins. [1951])

- JAMES H. WALL, *Associate Professor of Clinical Psychiatry*. Medical Director, New York Hospital, Westchester Division. (M.D. 1927, Jefferson Medical College. 1933; 1946)]
- ROBERT F. WATSON, *Associate Professor of Clinical Medicine*. Attending Physician, New York Hospital. (M.D. 1934, University of Virginia. [1946; 1950])
- BRUCE P. WEBSTER, *Associate Professor of Clinical Medicine*. Assistant Attending Physician, New York Hospital. (M.D.C.M. 1925, McGill. [1932; 1947])
- LIVINGSTON WELCH, *Associate Professor of Psychology*. (A.B. 1931, M.A. 1932, Ph.D. 1935, Columbia. [1947; 1952])

ASSISTANT PROFESSORS

- HAROLD B. ADAMS, *Assistant Professor of Clinical Pediatrics*. Assistant Attending Pediatrician, New York Hospital. (B.S. 1917, Columbia; M.D. 1920, Cornell. [1934; 1944])
- ANDREW J. AKELAITIS, *Assistant Professor of Clinical Medicine (Neurology)*. Assistant Attending Physician, New York Hospital; Clinical Assistant Visiting Neuro-Psychiatrist, Bellevue Hospital. (A.B. 1925, M.D. 1929, Johns Hopkins. [1947])
- SILVIO BAEZ, *Assistant Professor of Clinical Medicine*. (B.S. 1936, M.D. 1943, National Asuncion Medical School, Paraguay. [1948; 1952])
- IRVIN BALENSWEIG, *Assistant Professor of Clinical Surgery (Orthopedics)*. Attending Surgeon (Orthopedics), New York Hospital. (B.S. 1915, College of the City of New York; M.D. 1918, Cornell. [1920; 1934])
- LEONA BAUMGARTNER, *Assistant Professor of Public Health and Preventive Medicine; Assistant Professor of Clinical Pediatrics*. (A.B. 1923, M.A. 1925, Kansas; Ph.D. 1932, M.D. 1934, Yale. [1935; 1940])
- SAMUEL R. BERENBERG, *Assistant Professor of Clinical Public Health and Preventive Medicine; Assistant Professor of Clinical Pediatrics*. (A.B. 1931, Amherst; M.D. 1935, University of Vermont, [1947; 1951])
- BEATRICE B. BERLE, *Assistant Professor of Clinical Public Health and Preventive Medicine*. (A.B. 1923, Vassar; M.A. 1924, Columbia; M.D. 1938, New York University. [1946; 1950])
- KEEVE BRODMAN, *Assistant Professor of Clinical Medicine*. (B.S. 1927, College of the City of New York; M.D. 1931, Cornell. [1938; 1950])
- IRWIN D. J. BROSS, *Assistant Professor of Public Health and Preventive Medicine (Vital Statistics)*. (B.A. 1942, University of North Carolina; M.S. 1948, North Carolina State College; Ph.D. 1949, University of North Carolina. [1952])
- JACOB BUCKSTEIN, *Assistant Professor of Clinical Medicine*. Visiting Roentgenologist, Bellevue Hospital. (B.S. 1911, College of the City of New York; M.D. 1915, Cornell. [1927; 1940])
- HARRY W. BURNETT, *Assistant Professor of Radiology*. Associate Attending Radiologist, New York Hospital. (A.B. 1940, Miami University; M.D. 1943, Northwestern University. [1948; 1949])
- KATHARINE BUTLER, *Assistant Professor of Clinical Medicine*. Assistant Attending Physician, New York Hospital; Assistant Visiting Physician, Bellevue Hospital. (A.B. 1920, Mt. Holyoke; M.A. 1926, Columbia; M.D. 1935, Cornell. [1938; 1951])
- HENRY A. CARR, *Assistant Professor of Clinical Medicine*. Assistant Attending Physician, New York Hospital. (A.B. 1931, Princeton; M.D. 1935, Cornell. [1947; 1950])
- ANNE C. CARTER, *Assistant Professor of Medicine*. (A.B. 1941, Wellesley; M.D. 1944, Cornell. [1945; 1952])
- WILLIAM H. CARY, *Assistant Professor of Clinical Obstetrics and Gynecology*. (M.D. 1905, Syracuse. [1937; 1946])

- AARON D. CHAVES, *Assistant Professor of Clinical Public Health and Preventive Medicine; Assistant Professor of Clinical Medicine*. Assistant Attending Physician, New York Hospital. (B.S. 1931, William and Mary; M.D. 1935, New York University. [1946; 1951])
- CLEMENT B. P. COBB, *Assistant Professor of Clinical Pediatrics*. Assistant Attending Pediatrician, New York Hospital. (A.B. 1922, Williams; M.D. 1926, Harvard. [1934; 1944])
- JOHN R. COBB, *Assistant Professor of Clinical Surgery (Orthopedics)*. Associate Attending Surgeon (Orthopedics), New York Hospital. Attending Orthopedic Surgeon, Hospital for Special Surgery. (A.B. 1925, Brown University; M.D. 1930, Yale; Med.Sc.D. 1936, Columbia. [1951])
- EUGENE J. COHEN, *Assistant Professor of Clinical Medicine*. Assistant Attending Physician, New York Hospital. (B.A. 1933, M.S. 1934, Wisconsin; M.D. 1938, Cornell. [1940; 1952])
- JOHN T. COLE, *Assistant Professor of Clinical Obstetrics and Gynecology*. Associate Attending Obstetrician and Gynecologist, New York Hospital. (A.B. 1936, Duke; M.D. 1940, University of Maryland. [1941; 1951])
- ARTHUR D. CONSOLE, *Assistant Professor of Clinical Surgery (Neurosurgery)*. Assistant Attending Surgeon (Neurosurgery), New York Hospital. (B.S. 1937, Cornell; M.D. 1941, Cornell. [1944; 1951])
- WILLIAM COOPER, *Assistant Professor of Clinical Surgery (Orthopedics)*. Associate Attending Surgeon (Orthopedics) New York Hospital; Attending Orthopedic Surgeon, Hospital for Special Surgery. (B.S. 1929, New York University; M.D. 1933, Long Island College [1951])
- FRANK E. CORMIA, *Assistant Professor of Clinical Medicine (Dermatology)*. Assistant Attending Physician, New York Hospital. (B.S. 1926, M.D. 1930, University of Vermont. [1946; 1948])
- ROBERT L. CRAIG, *Assistant Professor of Clinical Obstetrics and Gynecology*. Associate Attending Obstetrician and Gynecologist, New York Hospital. (B.S. 1923, College of the City of New York; M.D. 1926, Cornell. [1932; 1949])
- MARGARET DANN, *Assistant Professor of Pediatrics*. Associate Attending Pediatrician, New York Hospital. (A.B. 1923, Oberlin; M.S. 1925, Illinois; Ph.D. 1932, Cornell; M.D. 1937, Yale. [1938; 1945])
- MICHAEL R. DEDDISH, *Assistant Professor of Clinical Surgery*. Associate Attending Surgeon, Memorial Hospital. (A.B. 1933, M.D. 1937, Ohio State University. [1942; 1951])
- HENRY D. DIAMOND, *Assistant Professor of Clinical Medicine*. Assistant Attending Physician, New York Hospital; Associate Attending Physician, Memorial Hospital. (A.B. 1941, M.D. 1944, University of Louisville. [1947; 1952])
- PAUL F. DE GARA, *Assistant Professor of Clinical Pediatrics (Allergy)*. Assistant Attending Pediatrician, New York Hospital. (M.D. 1926, University of Heidelberg; M.D. 1927, University of Padua. [1941; 1950])
- PETER G. DENKER, *Assistant Professor of Clinical Medicine (Neurology)*. Associate Visiting Neuro-Psychiatrist, Bellevue Hospital. (B.S. 1923, College of the City of New York; M.D. 1927, Cornell. [1932; 1941])
- JAMES A. DINGWALL, III, *Assistant Professor of Clinical Surgery*. Assistant Attending Surgeon, New York Hospital; Visiting Surgeon, Bellevue Hospital. (A.B. 1936, Dartmouth; M.D. 1940, Cornell. [1941; 1946])
- ROBERT O. DuBOIS, *Assistant Professor of Clinical Pediatrics*. Associate Attending Pediatrician, New York Hospital. (A.B. 1915, M.D. 1919, Columbia. [1923; 1940])
- EDWARD A. DUNLAP, *Assistant Professor of Clinical Surgery (Ophthalmology)*. Assistant Attending Surgeon (Ophthalmology), New York Hospital. (B.S. 1932, Westminster; M.D. 1935, Western Reserve. [1945; 1948])
- HOWARD A. EDER, *Assistant Professor of Clinical Medicine*. Assistant Attending

- Physician, New York Hospital. (A.B. 1938, University of Wisconsin; M.D. 1942, M.P.H., 1945, Harvard. [1950])
- HERBERT R. EDWARDS, *Assistant Professor of Public Health and Preventive Medicine*. (M.D. 1918, College of Medical Evangelists. [1942])
- GEORGE F. EGAN, *Assistant Professor of Clinical Surgery (Dental Surgery)*. Attending Dental Surgeon in Charge, New York Hospital. (D.M.D. 1931, Harvard. [1933; 1948])
- HELENE ELIASBERG, *Assistant Professor of Clinical Pediatrics*. Assistant Attending Pediatrician, New York Hospital. (M.D. 1919, University of Berlin. [1943; 1948])
- JOHN T. ELLIS, *Assistant Professor of Pathology; Assistant Professor of Pathology in Surgery*. Assistant Attending Pathologist, New York Hospital. (A.B. 1942, University of Texas; M.D. 1945, Northwestern. [1948; 1950])
- RALPH L. ENGLE, JR., *Assistant Professor of Medicine*. (B.S. 1942, University of Florida; M.D. 1945, Johns Hopkins. [1949; 1952])
- NATHAN EPSTEIN, *Assistant Professor of Clinical Pediatrics*. (B.S. 1922, M.I.T.; Ph.D. 1928, Columbia; M.D. 1934, Munich. [1946; 1952])
- JOSEPH H. FARROW, *Assistant Professor of Clinical Surgery*. Associate Attending Surgeon, Memorial Hospital. (B.S. 1926, M.D. 1930, University of Virginia. [1950; 1951])
- AARON FEDER, *Assistant Professor of Clinical Medicine*. Assistant Attending Physician, New York Hospital. (M.D. 1938, University of Maryland. [1941; 1950])
- GEORGE A. FIEDLER, *Assistant Professor of Clinical Surgery (Urology)*. Associate Attending Surgeon (Urology), New York Hospital. (B.S. 1923, Wisconsin; M.D. 1925, Pennsylvania. [1950])
- WILLIAM F. FINN, *Assistant Professor of Clinical Obstetrics and Gynecology*. Associate Attending Obstetrician and Gynecologist, New York Hospital. (A.B. 1936, Holy Cross; M.D. 1940, Cornell. [1942; 1948])
- ELIZABETH F. FOCHT, *Assistant Professor of Radiology (Physics)*. Associate Attending Physicist, Memorial Hospital. (A.B. 1935, Barnard. [1947; 1951])
- WILLIAM T. FOLEY, *Assistant Professor of Clinical Medicine*. Assistant Attending Physician, New York Hospital. (A.B. 1933, Columbia; M.D. 1937; Cornell. [1946; 1951])
- FRANKLIN M. FOOTE, *Assistant Professor of Public Health and Preventive Medicine*. (B.S. 1930, M.D. 1933, D.P.H. 1935, Yale. [1941])
- LEWIS M. FRAAD, *Assistant Professor of Clinical Pediatrics*. Assistant Attending Pediatrician, New York Hospital. (M.D. 1935, University of Vienna. [1945; 1949])
- JOHN E. FRANKLIN, *Assistant Professor of Clinical Pediatrics*. Assistant Attending Pediatrician, New York Hospital. Assistant Attending Pediatrician, Memorial Hospital. (B.S. 1928, Notre Dame; M.D. 1932, Harvard. [1947; 1948])
- ALAN W. FRASER, *Assistant Professor of Clinical Psychiatry*. Assistant Attending Psychiatrist, New York Hospital. (A.B. 1939, Bard; M.D. 1943, Cornell. [1944; 1952])
- EDGAR L. FRAZELL, *Assistant Professor of Clinical Surgery*. Associate Attending Surgeon, Memorial Hospital. (A.B. 1929, M.D. 1931, University of Texas. [1950])
- CONSTANCE FRIESS, *Assistant Professor of Clinical Medicine*. Associate Attending Physician, New York Hospital. (A.B. 1928, Barnard; M.D. 1932, Cornell. [1933; 1944])
- RALPH W. GAUSE, *Assistant Professor of Clinical Obstetrics and Gynecology*. Associate Attending Obstetrician and Gynecologist, New York Hospital. (A.B. 1926, University of Texas; M.D. 1930, Harvard. [1935; 1947])
- HAROLD GENVERT, *Assistant Professor of Clinical Surgery*. Assistant Attending

- Surgeon, New York Hospital. (D.D.S. 1932, Pennsylvania; M.D. 1936, Yale. [1937; 1950])
- WILLIAM A. GEOHEGAN, *Assistant Professor of Anatomy*. (E.E. 1929, M.D. 1941, Cornell. [1941; 1944])
- RANDOLPH GEPFERT, *Assistant Professor of Clinical Obstetrics and Gynecology*. Associate Attending Obstetrician and Gynecologist, New York Hospital. (M.D. 1929, University of Georgia. [1941; 1951])
- JOHN C. A. GERSTER, *Assistant Professor of Clinical Surgery*. (A.B. 1902, M.D. 1905, Columbia. [1913; 1919])
- HELENA GILDER, *Assistant Professor of Biochemistry*. (A.B. 1935, Vassar; M.D. 1940, Cornell. [1947; 1950])
- WILLIAM P. GIVEN, *Assistant Professor of Clinical Obstetrics and Gynecology*. Assistant Attending Obstetrician and Gynecologist, New York Hospital. (A.B. 1941, Harvard, M.D., Cornell. [1946; 1952])
- OSCAR GLASSMAN, *Assistant Professor of Clinical Obstetrics and Gynecology*. Associate Attending Obstetrician and Gynecologist, New York Hospital. (A.B. 1923, University of Utah; M.D. 1925, New York University. [1946; 1951])
- MARTIN J. GLYNN, *Assistant Professor of Clinical Pediatrics*. Associate Attending Pediatrician, New York Hospital. (A.B. 1931, Fordham; M.D. 1935, Long Island College. [1939; 1943])
- HENRY P. GOLDBERG, *Assistant Professor of Clinical Pediatrics*. Assistant Attending Pediatrician, New York Hospital. (A.B. 1932, M.D. 1936, Johns Hopkins. [1946; 1950])
- DAN M. GORDON, *Assistant Professor of Clinical Surgery (Ophthalmology)*. Assistant Attending Surgeon (Ophthalmology), New York Hospital. (B.S. 1929, M.D. 1932, Michigan. [1945; 1948])
- WILLIAM J. GRACE, *Assistant Professor of Clinical Medicine*. Assistant Attending Physician, New York Hospital. (B.S. 1938, St. Peter's College; M.D. 1942, Cornell. [1944; 1950])
- ARTHUR V. GREELEY, *Assistant Professor of Clinical Obstetrics and Gynecology*. Associate Attending Obstetrician and Gynecologist, New York Hospital. (B.S. 1925, Yale; M.D. 1929, Johns Hopkins. [1932; 1949])
- SIDNEY GREENBERG, *Assistant Professor of Clinical Medicine*. Associate Visiting Physician, Bellevue Hospital. (A.B. 1925, M.D. 1928, Cornell. [1934; 1950])
- THEODORE C. GREENE, *Assistant Professor of Anatomy*. (A.B. 1920, M.D. 1924, Harvard. [1951])
- THEODORE H. GREINER, *Assistant Professor of Clinical Pharmacology*. (M.D. 1947, Washington University. [1948; 1952])
- SUSAN J. HADLEY, *Assistant Professor of Clinical Medicine*. (A.B. 1941, Wisconsin; M.D. 1944, Cornell. [1946; 1952])
- FRANCIS J. HAMILTON, *Assistant Professor of Clinical Psychiatry*. Associate Attending Psychiatrist, New York Hospital. (A.B. 1928, St. Joseph's College; M.D. 1933, Jefferson. [1940; 1949])
- LAWRENCE W. HANLON, *Assistant Dean, Assistant Professor of Anatomy*. (A.B. 1935, M.D. 1938, Cornell. [1946; 1948])
- JAMES Q. HARALAMBIE, *Assistant Professor of Clinical Pediatrics*. Assistant Attending Pediatrician, New York Hospital. (A.B. 1931, Oberlin; M.D. 1935, Yale. [1939; 1949])
- HELEN HARRINGTON, *Assistant Professor of Clinical Pediatrics*. Associate Attending Pediatrician, New York Hospital. (A.B., M.A. 1916, University of Denver; M.D. Johns Hopkins. [1933; 1944])
- RICHARD L. HARRIS, *Assistant Professor of Clinical Psychiatry*. (M.D. 1920, University of Georgia. [1951])
- W. HALL HAWKINS, *Assistant Professor of Clinical Obstetrics and Gynecology*.

- (A.B. 1906, Central University of Kentucky; M.D. 1911, Johns Hopkins. [1932; 1941])
- MILTON HELPERN, *Assistant Professor of Clinical Medicine*. Associate Visiting Physician, Bellevue Hospital. (B.S. 1922, College of the City of New York; M.D. 1926, Cornell. [1931; 1940])
- NORMAN L. HIGINBOTHAM, *Assistant Professor of Clinical Surgery*. Associate Attending Surgeon, Memorial Hospital. (M.D.C.M. 1926, McGill. [1940; 1950])
- LAWRENCE E. HINKLE, JR., *Assistant Professor of Clinical Medicine*. (A.B. 1938, University of North Carolina; M.D. 1942, Harvard. [1947; 1951])
- EVELYN HOLT, *Assistant Professor of Clinical Medicine*. Assisting Attending Physician, New York Hospital. (A.B. 1919, Wellesley; M.A. 1921, M.D. 1924, Cornell. [1926; 1952])
- GUSTAVUS A. HUMPHREYS, *Assistant Professor of Clinical Surgery (Urology)*. Assistant Attending Surgeon (Urology), New York Hospital; Associate Visiting Surgeon (Urology), Bellevue Hospital. (A.B. 1927, Princeton; M.D. 1932, Columbia. [1937; 1946])
- FREDERICK C. HUNT, *Assistant Professor of Clinical Pediatrics*. Associate Attending Pediatrician, New York Hospital. (M.D. 1924, Western Ontario. [1932; 1940])
- GERALD R. JAMEISON, *Assistant Professor of Clinical Psychiatry*. Attending Psychiatrist, New York Hospital. (M.D. 1918, Albany Medical College. [1933; 1936])
- GEORGE JASPIN, *Assistant Professor of Clinical Radiology*. Associate Attending Radiologist in Charge of School of Radiology, New York Hospital. (B.S. 1932, Columbia; M.D. 1936, Michigan. [1945; 1948])
- D. REES JENSEN, *Assistant Professor of Clinical Surgery*. Assistant Attending Surgeon, New York Hospital. (M.D. 1925, Columbia. [1928; 1949])
- DONALD G. JOHNSON, *Assistant Professor of Obstetrics and Gynecology*. Associate Attending Obstetrician and Gynecologist, New York Hospital. (B.A. 1936, Maine; M.D. 1940, Yale. [1942; 1948])
- EDMUND N. JOYNER, III, *Assistant Professor of Clinical Pediatrics*. Assistant Attending Pediatrician, New York Hospital. (B.S. 1927, Virginia Military Institute; M.D. 1932, Cornell. [1934; 1948])
- GEORGE L. KAUER, JR., *Assistant Professor of Clinical Medicine*. Associate Visiting Physician, Bellevue Hospital. (B.S. 1933, New York University; M.D. 1937, Cornell. [1938; 1949])
- BENJAMIN H. KEAN, *Assistant Professor of Clinical Medicine (Tropical Medicine)*. Assistant Attending Physician, New York Hospital. (A.B. 1933, California; M.D. 1937, Columbia. [1952])
- SAMUEL F. KELLEY, *Assistant Professor of Clinical Surgery (Otolaryngology)*. Attending Surgeon (Otolaryngology), New York Hospital. (M.D. 1921, University of Texas. [1926; 1943])
- AARON KELLNER, *Assistant Professor of Pathology*. Associate Attending Pathologist, New York Hospital. (A.B. 1934, Yeshiva University; M.S. 1935, Columbia; M.D. 1939, University of Chicago. [1946; 1950])
- CHARLES J. KENSLER, *Assistant Professor of Pharmacology*. (A.B. 1937, M.A. 1938, Columbia; Ph.D. 1948, Cornell. [1946; 1950])
- ANN P. KENT, *Assistant Professor of Public Health and Preventive Medicine*. Assistant Attending Obstetrician and Gynecologist, New York Hospital. (A.B. 1930, George Washington University; M.D. 1933, University of Maryland; M.P.H. 1939, Johns Hopkins. [1950; 1951])
- SEYMOUR G. KLEBANOFF, *Assistant Professor of Psychology*. (A.B. 1937, M.S. 1939, Yale; Ph.D. 1947, Northwestern. [1950])
- MARGARET KLUMPP, *Assistant Professor of Clinical Medicine*. Assisting At-

- tending Physician, New York Hospital. (B.S. 1928, Tufts; M.D. 1932, Cornell. [1950; 1951])
- HEDWIG KOENIG, *Assistant Professor of Clinical Pediatrics*. Assistant Attending Pediatrician, New York Hospital. (A.B. 1918, Barnard; M.A. 1920, Columbia; M.D. 1929, Johns Hopkins. [1935; 1944])
- RICHARD N. KOHL, *Assistant Professor of Psychiatry*. Assistant Attending Psychiatrist, New York Hospital. (A.B. 1938, M.D. 1942, University of Cincinnati. [1945; 1950])
- BARBARA M. KORSCH, *Assistant Professor of Pediatrics*. Assistant Attending Pediatrician, New York Hospital. (A.B. 1941, Smith; M.D. 1944, Johns Hopkins. [1947; 1952])
- ELMER E. KRAMER, *Assistant Professor of Clinical Obstetrics and Gynecology*. Assistant Attending Obstetrician and Gynecologist, New York Hospital. (B.S. 1935, M.D. Tulane. [1946; 1952])
- MILTON L. KRAMER, *Assistant Professor of Clinical Medicine*. Associate Attending Physician, New York Hospital. (A.B. 1926, M.D. 1929, Columbia. [1935; 1949])
- JOHN S. LADUE, *Assistant Professor of Clinical Medicine*. Assistant Attending Physician, New York Hospital. Associate Attending Physician, Memorial Hospital. (B.S. 1932, M.S. 1940, Ph.D. 1941, University of Minnesota; M.D. 1936, Harvard. [1947; 1948])
- NORVELLE C. LAMAR, *Assistant Professor of Clinical Psychiatry*. Associate Attending Psychiatrist, New York Hospital. (A.B. 1921, M.D. 1925, Indiana. [1932; 1942])
- ERNEST W. LAMPE, *Assistant Professor of Clinical Surgery; Assistant Professor of Clinical Anatomy*. Assistant Attending Surgeon, New York Hospital; Visiting Surgeon, Bellevue Hospital. (B.S. 1920, University of Minnesota; M.D. 1923, Rush Medical School. [1941; 1945])
- RICHARD W. LAWTON, *Assistant Professor of Physiology*. (A.B. 1942, Dartmouth, M.D. 1944, Cornell. [1948; 1951])
- ALEXANDER HAMILTON LEIGHTON, *Assistant Professor of Clinical Psychiatry*. Assistant Attending Psychiatrist, New York Hospital. (A.B. 1923, Princeton; M.A. 1934, Cambridge; M.D. 1936, Johns Hopkins. [1947])
- LEON I. LEVINE, *Assistant Professor of Clinical Medicine*. Assistant Attending Physician, New York Hospital; Visiting Physician, Bellevue Hospital. (B.S. 1918, College of the City of New York; M.D. 1922, Cornell. [1924; 1939])
- MILTON I. LEVINE, *Assistant Professor of Clinical Pediatrics*. Associate Attending Pediatrician, New York Hospital. (B.S. 1923, College of the City of New York; M.D. 1927, Cornell. [1933; 1944])
- SOL S. LICHTMAN, *Assistant Professor of Clinical Medicine*. Assistant Attending Physician, New York Hospital. (A.B. 1918, College of the City of New York; M.D. 1921, Cornell. [1943; 1947])
- E. HUGH LUCKEY, *Assistant Professor of Clinical Medicine*. Assistant Attending Physician, New York Hospital. Director, Second Medical Division, Bellevue Hospital. (B.S. 1940, Union; M.D. 1944, Vanderbilt. [1948; 1950])
- FRANK J. MCGOWAN, *Assistant Professor of Clinical Surgery*. Assistant Attending Surgeon, New York Hospital. (A.B. 1919, M.D. 1921, Columbia. [1932; 1950])
- FREDERICK C. McLELLAN, *Assistant Professor of Clinical Surgery (Urology)*. Assistant Attending Surgeon (Urology), New York Hospital; Attending Urologist, New York Hospital, Westchester Division. (B.S. 1929, M.D. 1933, Dalhousie; M.S. 1936, Michigan. [1941; 1948])
- GORDON P. McNEER, *Assistant Professor of Clinical Surgery*. Associate Attending Surgeon, Memorial Hospital, (M.D. 1931, University of Pennsylvania. [1950; 1951])

- ABRAHAM MAZUR, *Assistant Professor of Biochemistry in Medicine*. (B.S. 1932, College of the City of New York; M.A. 1934, Ph.D. 1938, Columbia. [1941; 1949])
- CURTIS L. MENDELSON, *Assistant Professor of Clinical Obstetrics and Gynecology*. Associate Attending Obstetrician and Gynecologist, New York Hospital. (A.B. 1934, Michigan; M.D. 1938, Cornell. [1947])
- MARY E. MERCER, *Assistant Professor of Pediatrics; Assistant Professor of Pediatrics in Psychiatry*. Associate Attending Pediatrician, New York Hospital. (B.S. 1932, Simmons; M.D. 1943, Colorado. [1945, 1948])
- LAURENCE MISCALL, *Assistant Professor of Clinical Surgery*. Visiting Surgeon, Bellevue Hospital. (A.B. 1926, M.D. 1930, Cornell. [1942; 1947])
- WALTER MODELL, *Assistant Professor of Clinical Pharmacology*. (B.S. 1928, College of the City of New York; M.D. 1932, Cornell. [1932; 1949])
- CHARLES T. OLCOTT, *Assistant Professor of Pathology*. Associate Attending Pathologist, New York Hospital. (A.B. 1911, Princeton; M.D. 1916, Cornell. [1926; 1943])
- PHILIP OLLSTEIN, *Assistant Professor of Clinical Public Health and Preventive Medicine*. (M.D. 1927, Long Island College of Medicine. [1944; 1950])
- CHARLES H. O'REGAN, *Assistant Professor of Clinical Pediatrics*. Associate Attending Pediatrician, New York Hospital. (A.B. 1919, St. Francis Xavier; M.D. 1928, McGill. [1932; 1944])
- WARD D. O'SULLIVAN, *Assistant Professor of Clinical Surgery*. Assistant Attending Surgeon, New York Hospital. (A.B. 1938, Fordham; M.D. 1942, Cornell. [1943; 1951])
- RALPH S. OVERMAN, *Assistant Professor of Biochemistry in Medicine*. (A.B. 1938, University of Illinois; M.S. 1941, University of Wisconsin; Ph.D. 1942, University of Wisconsin [1947; 1951])
- HERBERT PARSONS, *Assistant Professor of Clinical Surgery (Neurosurgery)*. Assistant Attending Surgeon (Neurosurgery), New York Hospital; Associate Visiting Surgeon, Bellevue Hospital. (A.B. 1931, Yale; M.D. 1935, Harvard. [1938; 1949])
- ROBERT L. PATTERSON, *Assistant Professor of Clinical Surgery (Orthopedics)*. Associate Attending Surgeon (Orthopedics), New York Hospital; Attending Orthopedic Surgeon, Hospital for Special Surgery. (A.B. 1928, University of Georgia; M.D. 1932, Harvard. [1951])
- MARY ANN PAYNE, *Assistant Professor of Clinical Medicine*. Assistant Attending Physician, New York Hospital. (A.B. 1935, Hood; M.A. 1941, Ph.D. 1943, Wisconsin; M.D. 1945, Cornell. [1946; 1952])
- T. ARTHUR PEARSON, *Assistant Professor of Clinical Radiology*. Assistant Attending Radiologist, New York Hospital. (A.B. 1930, Gustavus Adolphus; M.A. 1934, M.D. 1935, University of Minnesota. [1948; 1949])
- NORMAN PLUMMER, *Assistant Professor of Clinical Medicine*. Assistant Attending Physician, New York Hospital; Associate Visiting Physician, Bellevue Hospital. (A.B. 1922, University of California; M.D. 1926, Cornell. [1928; 1941])
- JOHN L. POOL, *Assistant Professor of Clinical Surgery*. Associate Attending Surgeon, Memorial Hospital. (B.S. 1930, Princeton; M.D. 1934, Columbia. [1948])
- CURTIS T. PROUT, *Assistant Professor of Clinical Psychiatry*. Assistant Medical Director and Clinical Director, New York Hospital, Westchester Division. (A.B. 1921, M.D. 1924, Cornell; M.S. 1930, University of Michigan. [1948; 1951])
- GEORGE C. READER, *Assistant Professor of Clinical Medicine*. Assistant Attending Physician, New York Hospital. (A.B. 1940, M.D. 1943, Cornell. [1946; 1950])

- PETER C. RIZZO, *Assistant Professor of Clinical Surgery (Orthopedics)*. Associate Attending Surgeon (Orthopedics), New York Hospital; Attending Orthopedic Surgeon, Hospital for Special Surgery. [M.D. 1926, Bellevue]]
- FRED V. ROCKWELL, *Assistant Professor of Clinical Psychiatry*. Associate Attending Psychiatrist, New York Hospital. (A.B. 1931, M.D. 1936, Rochester. [1939; 1946])
- MEYER ROSENTOHN, *Assistant Professor of Clinical Obstetrics and Gynecology*. Associate Attending Obstetrician and Gynecologist, New York Hospital. (B.S. 1901, College of the City of New York; M.D. 1909, Columbia. [1932; 1941])
- NELSON B. SACKETT, *Assistant Professor of Clinical Obstetrics and Gynecology*. Associate Attending Obstetrician and Gynecologist, New York Hospital. (B.S. 1917, Princeton; M.D. 1923, Columbia. [1932; 1948])
- JOHN G. SCHMIDT, *Assistant Professor of Clinical Surgery (Orthopedics)*. Associate Attending Surgeon (Orthopedics), New York Hospital. (A.B. 1925, Williams; M.D. 1930, Harvard. [1939; 1946])
- JOHN F. SEYBOLT, *Assistant Professor of Anatomy*. (B.S. 1938, Yale; M.D. 1943, Cornell. [1947; 1951])
- J. JAMES SMITH, *Assistant Professor of Clinical Medicine*. Associate Visiting Physician, Bellevue Hospital. (A.B. 1934, St. Peters; M.D. 1938, Cornell. [1939; 1946])
- STUART S. SNYDER, *Assistant Professor of Clinical Surgery (Ophthalmology)*. Assistant Attending Physician (Ophthalmology), New York Hospital. (B.Sc. 1941, York College; M.D. 1944, University of Nebraska. [1947; 1951])
- RICHARD B. STARK, *Assistant Professor of Clinical Surgery (Plastic Surgery)*. Assistant Attending Surgeon (Plastic Surgery), New York Hospital. (A.B. 1936, Stanford; M.D. 1941, Cornell. [1950; 1952])
- ISRAEL STEINBERG, *Assistant Professor of Clinical Medicine; Assistant Professor of Clinical Radiology*. Assistant Attending Radiologist (Angiocardiography), New York Hospital. (B.S. 1924, M.D. 1928, Harvard. [1940; 1949])
- ARTHUR M. SUTHERLAND, *Assistant Professor of Clinical Medicine*. Assistant Attending Physician, New York Hospital. (A.B. 1932, Yale; M.D. 1936, Columbia. [1937; 1951])
- JOHN E. SUTTON, *Assistant Professor of Clinical Surgery*. Associate Attending Surgeon, New York Hospital; Associate Visiting Surgeon, Bellevue Hospital. (A.B. 1915, A.M. 1917, M.D. 1920, Cornell. [1923; 1950])
- ALPHONSE E. TIMPANELLI, *Assistant Professor of Clinical Medicine*. Assistant Attending Physician, New York Hospital; Associate Visiting Physician, Bellevue Hospital. (A.B. 1932, Columbia; M.D. 1936, Cornell. [1938; 1949])
- JOHN H. TRAVIS, *Assistant Professor of Clinical Psychiatry*. (M.B. 1911, University of Toronto. [1941; 1945])
- NORMAN L. TREVES, *Assistant Professor of Clinical Surgery*. Associate Attending Surgeon, Memorial Hospital. (A.B. 1915, A.M. 1916, Wabash College; M.D. 1920, Johns Hopkins. [1948; 1950])
- FRANCIS P. TWINEM, *Assistant Professor of Clinical Surgery (Urology)*. Associate Attending Surgeon (Urology), New York Hospital. (A.B. 1917, Wooster College; M.A. 1919, Princeton; M.D. 1925, Harvard. [1950])
- JAMES S. TYHURST, *Assistant Professor of Clinical Psychiatry*. (B.Sc., M.D.C.M. 1944, McGill. [1951])
- F. STEPHEN VOGEL, *Assistant Professor of Pathology; Assistant Professor of Pathology in Surgery*. Assistant Attending Pathologist, New York Hospital. (A.B. 1941, Villanova; M.D. 1944, Western Reserve. [1948; 1950])
- WILLIAM L. WATSON, *Assistant Professor of Clinical Surgery*. Attending Surgeon, Memorial Hospital. (A.B. 1922, M.D. 1925, Cornell. [1940; 1950])
- WILLIS M. WEEDEN, *Assistant Professor of Clinical Public Health and Preventive*

- Medicine*. Assistant Attending Surgeon, New York Hospital. (A.B. 1916, M.D. 1919, Cornell. [1922; 1950])
- EXIE E. WELSCH, *Assistant Professor of Clinical Psychiatry*. Assistant Attending Psychiatrist, New York Hospital. (B.S. 1930; M.D. 1932, University of Indiana. [1949])
- JOHN P. WEST, *Assistant Professor of Clinical Surgery*. Assistant Attending Surgeon, New York Hospital. (B.S. 1927, Alabama Polytechnic Institute; M.D. 1932, Cornell. [1938; 1949])
- LOUIS E. WEYMULLER, *Assistant Professor of Clinical Pediatrics*. Assistant Attending Pediatrician, New York Hospital. (B.Sc. 1923, M.D. 1925, University of Nebraska. [1936; 1949])
- MARJORIE A. WHEATLEY, *Assistant Professor of Clinical Pediatrics*. Assistant Attending Pediatrician, New York Hospital. (A.B. 1919, Vassar; M.D. 1929, Columbia. [1931; 1945])
- CHARLES H. WHEELER, *Assistant Professor of Clinical Medicine*. Associate Attending Physician, New York Hospital; Assistant Attending Physician, Memorial Hospital. (B.S. 1931, Princeton; M.D. 1935, Cornell. [1936; 1944])
- STEPHEN WHITE, *Assistant Professor of Clinical Radiology*. Associate Attending Radiologist, New York Hospital. (B.S. 1920, College of the City of New York; M.D. 1924, Cornell. [1931; 1944])
- WILLET F. WHITMORE, JR., *Assistant Professor of Clinical Surgery (Urology)*. Assistant Attending Surgeon (Urology), New York Hospital; Assistant Attending Surgeon, Memorial Hospital. (B.S. 1938, Rutgers; M.D. 1942, Cornell. [1943; 1948])
- HAROLD N. WILLARD, *Assistant Professor of Public Health and Preventive Medicine*. (A.B. 1939, Yale; M.D. 1943, Johns Hopkins. [1951])
- BYARD WILLIAMS, *Assistant Professor of Clinical Medicine*. Assistant Attending Physician, New York Hospital; Attending Physician, New York Hospital, Westchester Division; Visiting Physician, Bellevue Hospital. (A.B. 1926, Williams; M.D. 1930, Columbia. [1933; 1949])

General Statement

HISTORY

CORNELL UNIVERSITY Medical College was established by the Board of Trustees of Cornell University on April 14, 1898, when they elected Dr. William M. Polk Director of the College and Dean of the Medical Faculty and appointed six professors. The Medical College was made possible by the munificence of Colonel Oliver H. Payne, who provided the funds for the erection of the original building, located at 28th Street and First Avenue, and who pledged his support to the new institution. For several years he provided funds for the annual support of the college and later placed the institution on a secure foundation by making generous provision for its permanent endowment by a gift of over four million dollars.

In October, 1898, instruction began in temporary quarters. As the Medical College admitted a number of students to advanced standing, Cornell University granted the degree of Doctor of Medicine for the first time in 1899.

The Cornell University Medical College from its foundation has undertaken to carry out two allied activities: the development of physicians of the best type and the extension of medical knowledge by means of research. The Medical Faculty has held from the beginning of its existence the attitude that these two functions are necessary as constituting a true university school. It is committed not only to conduct teaching of high order but also to study disease and the sciences underlying medicine with the purpose of adding to medical knowledge.

THE NEW YORK HOSPITAL-CORNELL MEDICAL COLLEGE ASSOCIATION

The Cornell University Medical College and the New York Hospital have been cooperating for a long time in an arrangement for medical teaching. In September, 1932, however, the two institutions took up occupancy in the same plant.

The New York Hospital was founded by Royal Charter on June 13, 1771, in the reign of King George III, and has stood throughout the life of the nation as one of the foremost hospitals in the United States, as an institution rendering service to the sick and injured, and as a center of medical education. For a number of years the Hospital and the Medi-

cal College had been partially affiliated. In June, 1927, an agreement was entered into between Cornell University and the New York Hospital by which the New York Hospital-Cornell Medical College Association was formed for the purpose of bringing together their facilities and cooperating in the care of patients, in medical education, and in medical research. In order to harmonize the interests of the Hospital and of the Medical College, the Joint Administrative Board was formed, consisting of three representatives of each institution and a seventh member elected by the Hospital and by the University.

Additional endowment was secured by each institution. A group of buildings was erected along the East River between 68th and 71st Streets, adjoining the Rockefeller Institute for Medical Research. The new plant affords separate buildings for each of the various laboratory departments and includes approximately 1,182 hospital beds. Provision is made for medicine, surgery, obstetrics and gynecology, pediatrics, and psychiatry in five distinct clinical units.

The Faculty of the Medical College and the professional staff of the Hospital are organized so as to form one body established on a university basis.

The new plant affords very favorable conditions for the conduct of medical education, for the pursuit of medical research, and for the care of patients in all phases of medical practice.

FACILITIES FOR INSTRUCTION

From the point of view of medical instruction, the facilities provided by the plant of the New York Hospital-Cornell Medical College Association are in many respects unexcelled. The plant consists of eleven buildings, joined either directly or by underground passages. These provide ample accommodations for the care of hospital patients, for the teaching of the clinical branches, and for the various activities connected with the work of the preclinical departments of the medical college.

CORNELL MEDICAL COLLEGE. Instruction in the medical sciences is conducted in a group of buildings extending along York Avenue from 68th to 70th Streets, centering in a court at the end of 69th Street where the entrance to the Medical College is located. This group comprises four units facing on York Avenue, each of which is five stories high. The extreme northern and southern buildings connect with the central group by means of two-story structures. In this series of buildings the one to the north (unit A) is devoted entirely to the department of anatomy; the one next to this on the south (unit B) to bacteriology and immunology; the third (unit D) to physiology; the fourth (unit E) to biochemistry and pharmacology. A seven-story building (unit C) joins the buildings B and D in the center, and in this are the offices of the Medical College, the library, and the department of pathology. This central building of the College is joined on all floors with the central hospital

building. Certain of the laboratories of the department of public health and preventive medicine are located in the two-story building which adjoins the bacteriology unit to the north, but the major part of this department is comprised in the Kips Bay-Yorkville Health Center building of the City of New York, located half a block west from the Medical College on 69th Street.

In the main buildings of the Medical College, student laboratories and lecture rooms are provided on the second and third floors, and extensive facilities for research by staff and students are available on other floors. Locker rooms are provided for the use of students. A cafeteria under the direction of the chief dietitian of the New York Hospital is maintained for students and Faculty.

NEW YORK HOSPITAL. Clinical instruction is given in the five separate clinics forming the New York Hospital. The medical and surgical clinics occupy the central hospital building, while the women's clinic, the pediatric clinic, and the psychiatric clinic extend from north to south, overlooking the East River. Each clinic contains, besides provision for bed patients, its own out-patient department, lecture rooms, and laboratories for routine study and for clinical research. Special provision has also been made for the laboratory work of students. The medical clinic occupies the second to fourth floors of the central hospital building, with six pavilions for bed patients, three floors for its outpatient department, and extensive laboratories for chemical, physiological, and biological research. The surgical clinic occupies the pavilions from the fifth to the ninth floor, with outpatient and other facilities for the various surgical specialists. The operating rooms are on the tenth and eleventh floors. Above are six floors containing one hundred rooms for private patients, while the living quarters for the resident staff are on the six floors at the top of the building. The entire hospital has a capacity of approximately 1,182 beds.

The head of each clinic, responsible for the care of patients and the conduct of professional services of the hospital, is also professor in charge of the corresponding department of the Medical College. Each clinical department is staffed in part by teachers and clinicians, including the professor in charge, who devote their entire time to the service of the College and Hospital, while other members of these departments devote part of their time to private practice.

OTHER HOSPITALS FOR CLINICAL INSTRUCTION

Although the clinical teaching is conducted largely in the New York Hospital, advantage is also taken of special facilities afforded by other hospitals. In some of these hospitals the staff appointments are controlled by the Medical College, while in others the teaching privileges have been granted to the members of the staffs who are also members of the Medical College Faculty.

BELLEVUE HOSPITAL. Bellevue is the central hospital of the New York City Department of Hospitals. It contains 3,325 beds and is devoted to the treatment of acute diseases. It is organized in four divisions, one of which has been placed at the disposal of the Faculty of Cornell University Medical College for medical instruction. The services conducted by the College include a medical service and a surgical service, each of 90 beds, a urological service and a neurological service of approximately 60 beds. The staffs of these services are nominated by the College from among the members of its Faculty and teaching staff, and the Medical College is responsible for the professional conduct of these services.

MEMORIAL HOSPITAL. Through the generosity of the late Dr. James Douglas, who provided the hospital with an endowment for the study and treatment of cancer and allied diseases, the Memorial Hospital became affiliated in 1914 with Cornell University Medical College. The agreement between the Memorial Hospital and the College requires that the professional staff be named by the Council of the Medical College subject to the approval of the board of managers of the hospital. The facilities of the hospital, which are of exceptional value in the field of cancer, are available for study in this field by the members of the hospital staff, and unusual opportunities are afforded for instruction in the pathology, diagnosis, and treatment of neoplastic diseases.

MANHATTAN STATE HOSPITAL (WARD'S ISLAND). This hospital for the care and treatment of mental diseases accommodates over 5,000 patients. Through the courtesy of the superintendent, the department of psychiatry is enabled to utilize this clinical material for bedside study of patients and for the instruction of students.

WILLARD PARKER HOSPITAL. Instruction in infectious diseases is conducted at the Willard Parker Hospital, where staff positions are held by members of the Faculty and teaching staff who have the privilege of conducting medical instruction.

LINCOLN HOSPITAL. This unit of the New York City Department of Hospitals has a bed capacity of 469 and facilities for handling cases in all divisions of clinical work. Through cooperative arrangements made possible by members of our teaching staff holding assignments on the hospital staff, a certain part of the teaching of medicine in the second year course is carried out on the wards of Lincoln Hospital. The abundance of clinical material and the type of disease met with in this institution afford a valuable adjunct to the work in this part of the medical course.

THE RUSSELL SAGE INSTITUTE OF PATHOLOGY

The Institute has been associated with Cornell University Medical College since 1913. At first it was affiliated with the Second Medical (Cornell) Division of Bellevue Hospital, but since 1932 it has been in

the New York Hospital. The Institute has supported work in metabolism which has been conducted by the members of the departments of medicine and physiology. The respiration calorimeter which was operated for a number of years by Dr. DuBois at Bellevue Hospital has been transferred by the directors of the Institute of the New York Hospital and sufficient funds have been provided for carrying on the important metabolic studies by members of the staff. The medical director of the Institute is Dr. David P. Barr, Professor of Medicine.

THE LOOMIS LABORATORY

Founded in 1886 and located at 414 East 26th Street this institution served the purpose of undergraduate instruction in the Medical College and provided facilities for original research in the various departments of laboratory investigation. The present Medical College building contains space dedicated to the original Loomis Laboratory and its established objectives.

THE LIBRARY

The reading room of the library is situated on the second floor of the central group of laboratory buildings, directly over the entrance of the Medical College. The current journals are kept in racks around three sides of the room. The book stacks are directly behind and open to the reading room, extending down to the subbasement with six floors of stacks and accommodations for about 100,000 volumes. There are also a library seminar room and several rooms for the library staff.

The library contains at present over 41,000 volumes, largely made up of complete sets of important journals in the fields of clinical medicine and the medical sciences, in English, German, and French. There are also well-selected collections of monographs, textbooks, and reprints.

Several of the departments of the Medical College have libraries containing journals, monographs, and textbooks pertaining especially to the subject matter of the departments. These serve to supplement in a useful way the scope of the main library.

The library is under the direction of a committee of the Faculty and in charge of a trained librarian who gives instruction to students on the proper methods of using the library and of searching medical literature.

A special fund, maintained in memory of Alfred Moritz Michaelis, M.D. 1925, Cornell, who died the year after his graduation, is used for the purchase of books of cultural and historic values in medicine.

In addition to the college library, students may obtain certain privileges at the library of the New York Academy of Medicine, Fifth Avenue and 103rd Street, the second largest medical library in the United States.

Requirements for Admission and Graduation

THE FACULTY of Cornell University Medical College, in defining the qualifications for admission to the medical profession, attaches particular importance to the liberal culture and general education implied by the acquisition of a college degree. Because of the acceleration of college training under the Army and Navy programs during the war, the degree requirement was suspended. A return to the college degree as a prerequisite for acceptance has now been adopted by Faculty and Trustee action, and only the following candidates for the degree of Doctor of Medicine will be admitted to Cornell Medical College.

1. Graduates of approved colleges or scientific schools; or
2. Seniors in good standing in Cornell University or in any other approved college or scientific school whose faculty will permit them to substitute the first year of the professional course for the fourth year in arts and sciences, and who will confer upon them the Bachelor's degree upon the satisfactory completion of the first year of the course in the Cornell University Medical College. Students from institutions other than Cornell University seeking admission under this clause must have a statement from the Dean of their college signifying approval of this plan for fulfilling the requirements for the degree. Any student failing to receive his degree under this arrangement will not be admitted to the second year of the medical course.

3. Persons who, while not possessing a Bachelor's degree, give evidence by examination that they have acquired an equivalent education and a training sufficient to enable them to profit by the instruction offered in the Medical College. This rule is intended to apply to students of foreign universities.

The basic premedical requirements which all students must fulfill to qualify for admission to the study of medicine in New York State are set forth in the "Regulations of the Commissioner of Education," the pertinent part of which is as follows: "A candidate shall present evidence of having satisfactorily completed two years of study toward a liberal arts degree registered by the Department; or its equivalent as determined by the Commissioner. The required two years of college study shall include at least 6 semester hours each in English, physics, biology or zoology, and general chemistry, and 3 semester hours in organic chemistry."

Although the requirements outlined above form the basis of eligibility

for admission to the medical course, they should be considered as representing the irreducible minimum. The list contains a total of twenty-seven credit points which probably represents sufficient time to enable the student to obtain a basic preparation in these different fields. In many colleges, however, additional credits in one or more of these departments are required of the candidate in order to satisfy major requirements for the degree. In making the choice of elective courses, consideration should be given to the principle that thorough training in the sciences is essential. On the other hand, choosing too many elective courses in these departments may not provide the most acceptable preparation for medicine, since it tends to limit the time available for study in other departments offering work of a broad educational value. Students planning to study medicine should bear in mind that bacteriology, immunology, human physiology, and abnormal psychology are properly subjects of the medical and not of the premedical curriculum. In planning premedical work students are advised to elect subjects which will lay a broad foundation for medical study rather than to anticipate courses required as a part of the medical curriculum.

Each year the Admissions Committee selects an entering class of about 85 students from a group of more than 1,500 applicants. The members of the committee are keenly aware of their serious responsibility in selecting students who have the native ability, traits of character, soundness of personality, and adequate financial responsibility that will enable them to finish satisfactorily their course in the Medical College. A serious obligation to society is also acknowledged by a medical school. It must graduate only those persons who can be expected, with reasonable certainty, to do creditable work in some field of medicine after graduation. The Admissions Committee selects from all the applicants those who seem best to fulfill such requirements.

In selecting a relatively small class from a large group of well qualified applicants, the Committee is mindful of the sound and liberal traditions of Cornell University. They attempt to select well qualified students with varied backgrounds—from various geographic areas, from different socio-economic groups, and from varying types of educational institutions. As to grade averages, the Committee needs to satisfy itself that the applicant's scholastic record, both as to courses taken and grades received, gives reasonable assurance that the individual can do the medical curricular work without undue difficulty. Grading systems vary so much from school to school that no specific grade can be categorically stated as minimally acceptable. To be accepted for admission a student must have a satisfactory scholastic record. Beyond that, grades are considered less important than the personal attributes—emotional stability, sound character, healthy personality, intellectual maturity, strong motivation, and ability to cooperate. The Medical College Admission Test results are helpful in

appraising an applicant's academic ability. No one pattern of extra-curricular activities is considered more meritorious than another. The Admissions Committee looks at each applicant as a total individual, insofar as that is possible with the information obtainable. Those applicants are considered acceptable who have the qualities, abilities, and capabilities considered necessary in a person who hopes to become a physician.

As a general rule the courses given in professional schools of pharmacy, veterinary medicine, optometry, and agriculture and the like are not considered as fulfilling adequately the admission requirements.

APPLICATIONS FOR ADMISSION

All requests for application forms and inquiries regarding dates for submitting applications should be addressed to the Committee on Admissions, 1300 York Avenue, New York City. In making application for admission, the regular form issued for this purpose must be filled out and submitted to the Office of Admissions. Candidates are accepted for only one class in advance. With the large number of students making application in recent years, it has been necessary to assign a definite period for distributing application forms. For a class entering in September of a certain year, the application forms may be obtained on request beginning August 1 of the previous year. Applications should be completed during the fall, and no application will be accepted after January 15.

A charge of \$5 is made for submitting an application. This fee should be made payable to Cornell University Medical College in the form of a check or money order and *is not returnable*.

Applications are passed upon by the Committee on Admissions after all credentials have been filed. As soon as the Committee takes favorable action upon an applicant, a letter of acceptance is immediately forwarded to him, and the accepted applicant is required to make a deposit of \$50 within a specified time. This deposit is not returnable but is credited toward the first tuition payment. If the accepted student fails to make this deposit within the stipulated time, he forfeits his place on the class roll.

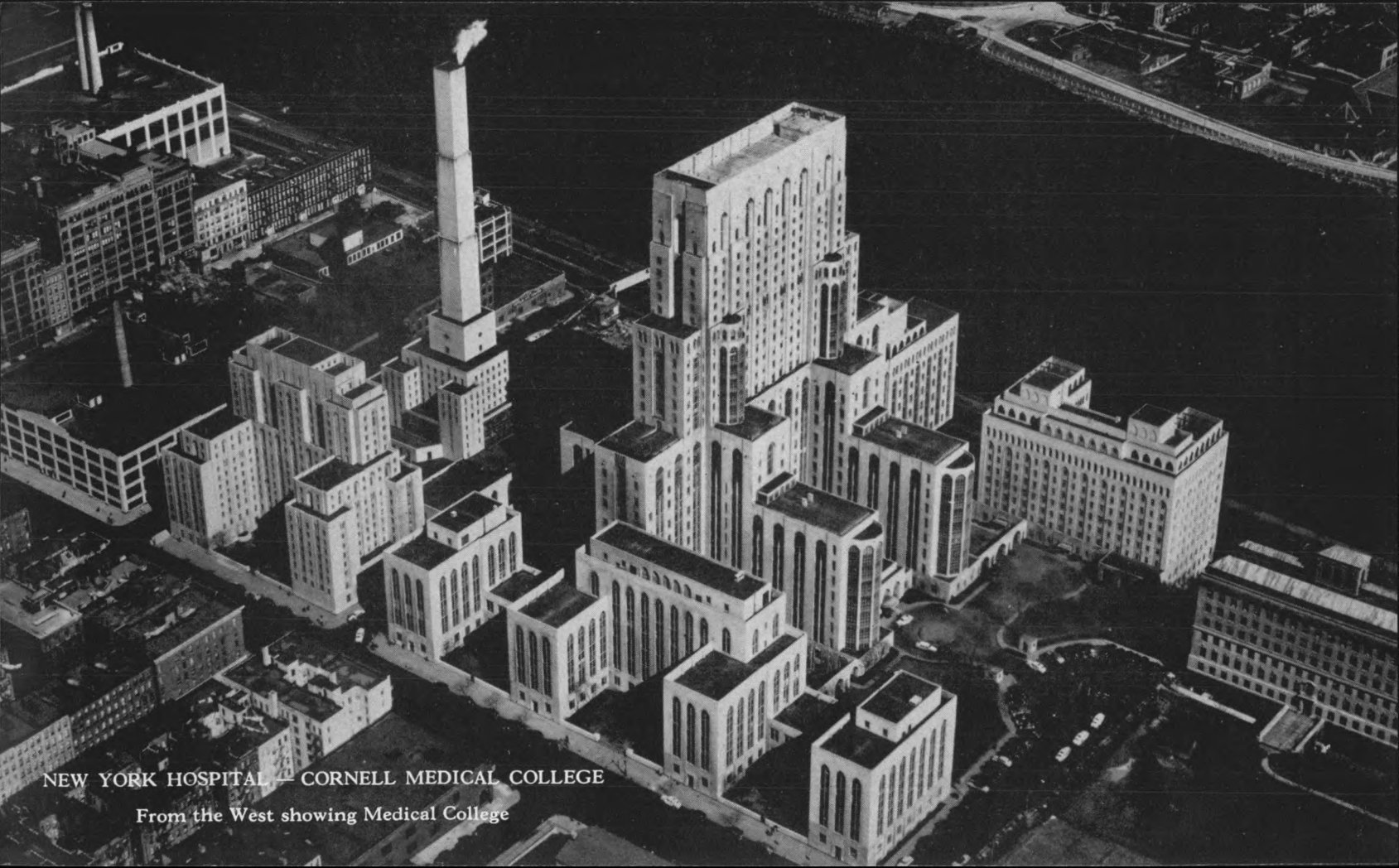
It is impossible for the Committee on Admissions to hold personal conferences with all candidates for admission as the number is too great, but selected individuals from the group of applicants receive an invitation to appear before members of the Committee.

A student who has previously attended another medical school and has been dropped for poor scholarship or unfavorable conduct is not an acceptable candidate for admission to any class in Cornell Medical College. It is inadvisable, therefore, for one with this background to go through the formality of submitting an application.



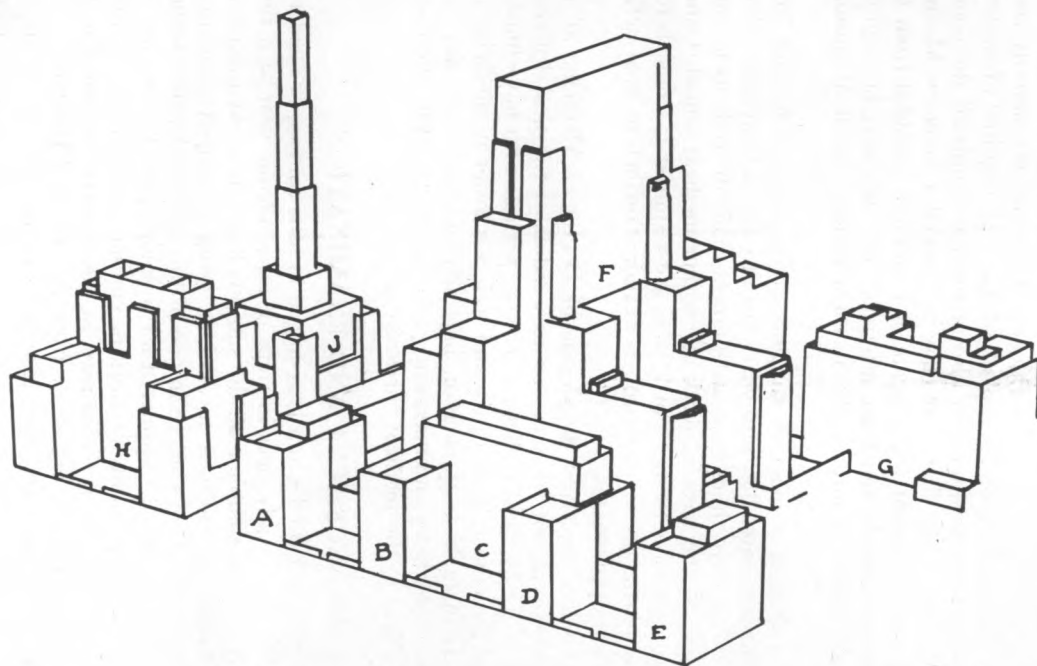
NEW YORK HOSPITAL — CORNELL MEDICAL COLLEGE

From the East showing Hospital



NEW YORK HOSPITAL — CORNELL MEDICAL COLLEGE

From the West showing Medical College



KEY TO THE PHOTOGRAPH ON THE OPPOSITE PAGE

- | | | |
|----------------------------------|-----------------------------------|--------------------------------------|
| A: Anatomy. | D: Physiology. | G: Payne Whitney Psychiatric Clinic. |
| B: Bacteriology and Immunology. | E: Biochemistry and Pharmacology. | H: Nurses' Residence. |
| C: Administration and Pathology. | F: New York Hospital. | J: Service and Power. |

ADMISSION TO ADVANCED STANDING

When vacancies occur, students may be admitted to advanced standing.

Application for a place in one of the upper classes should be filed according to the procedure described for admission to the first year class. Accepted applicants are required to make the deposit of \$50. Applicants must not only furnish acceptable evidence of having satisfactorily completed in an approved medical school all of the work required of students of the class they wish to enter, but also of having completed the conditions of admission to the first year class at Cornell University Medical College. They must present a certificate of honorable dismissal from the medical school or schools they have attended, and they may be required to take examinations in any of the medical courses taken at another school.

Although a certain number of students are regularly admitted from other institutions to enter the third year class at Cornell University Medical College, rarely have there been acceptances made of students to enter the fourth year on the basis of work at another medical school. Candidates seeking admission to the fourth year are required to come before the clinical departments for a thorough examination before final action is taken on their applications.

Persons who have received the degree of Doctor of Medicine at another institution will not be accepted as candidates for this degree at Cornell University Medical College. Likewise, persons who have finished all or part of the course in dentistry and seek a transfer to medicine are discouraged from making application here since Cornell does not have a department of dentistry and makes no provision for adapting the teaching in this subject to the medical curriculum.

ADVANCEMENT AND EXAMINATION

The entire medical curriculum is arranged in four courses, or academic years, and the student advances in steps of an academic year at a time. It is necessary that he complete all the subjects listed in a given academic year before taking up the next succeeding group of subjects, and to be *readmitted* to the Medical College in one of the advanced years (second, third, or fourth) he must be approved for promotion by the Faculty.

Any student who by quality of work or conduct indicates an unfitness to enter the profession of medicine may, at the discretion of the Faculty, be required at any time to withdraw from the Medical College.

At the close of the academic year examinations are given in all subjects except those extending through a part of the year only, in which examinations may be held at the close of the course in the hours allotted thereto. In making up a student's rating in a given course, all work covered in that subject during the year is taken into account and due weight assigned to the effort he puts in his work, his seriousness of purpose, and

his scholastic resourcefulness, as well as the results of the final examination.

A final rating is made for each student at the end of the academic year, based on the results of his performance in all courses in the curriculum of that year. These final ratings of students are made on the recommendations of the Committee on Promotion and Graduation; then they are reviewed and formally acted on by the Faculty. The Faculty ratings classify all students of the medical course under one of four groups as follows:

1. Students with no encumbrances in any subject are recorded as "passed." This rating confers eligibility for readmission into the Medical College in the next higher class, unless by reason of conduct the Faculty considers the student unsuited for the medical profession.

2. Students with an unsatisfactory rating in 40 per cent or more of the required hours in a given year are recorded as "not passed." A rating of "not passed" carries ineligibility for readmission into the Medical College.

3. Students with an unsatisfactory rating in less than 40 per cent of the required hours of a given year are recorded as "conditioned." A "conditioned" student has failures in certain required courses, and he may be reexamined in these subjects, but only after pursuing additional work under the direction of the head of the department in which a failure has occurred. Students who fail on reexaminations are ineligible for readmission into the Medical College, unless under special circumstances they are permitted by the Faculty to repeat courses in which their work is deficient.

4. Students with uniformly low grades in most subjects of the course for two years or more are subject to special review by the Faculty, and any student with a record of this kind may be deemed unqualified to enter the medical profession. A rating in this group carries ineligibility for readmission into the Medical College.

It is a well-established policy of the Medical College to make no announcement to students of grades received in any subject of the medical course. At the close of each academic year, however, students are informed of the quarter of the class in which their weighted average score places them in the order of class standing.

A transcript of the Medical College record of a student or graduate will be mailed on his request to accredited hospitals and to educational or other well-recognized institutions as credentials in support of his application for a position or promotion. All transcripts are marked "confidential" and carry the instructions that they are not to be turned over to the candidate. This ruling is for the purpose of avoiding possible loss and fraudulent use of an official document of the Medical College. The Medical College makes no charge for sending out transcripts of record.

REQUIREMENTS FOR GRADUATION

The candidates for the degree of Doctor of Medicine must have attained the age of twenty-one years and be of good moral character.

They must have completed successfully four full courses of at least eight months each as regular matriculated medical students, the last of which must have been in Cornell University Medical College. They must have satisfactorily completed all the required work of the medical curriculum and must have passed all prescribed examinations. At the end of the fourth year every student who has fulfilled these requirements will be recommended to the President and Trustees of Cornell University for the degree of Doctor of Medicine.

EXAMINATIONS FOR MEDICAL LICENSURE

Graduates of Cornell University Medical College are admitted unconditionally to the examinations for license to practice medicine in all states of the United States.

Students and graduates of Cornell University Medical College are admitted to the examinations of the National Board of Medical Examiners, whose certificate is recognized by the respective authorities of England, Scotland, and Ireland. Although national in scope and organized under the laws of the District of Columbia, the National Board of Medical Examiners is not to be confused as a federal government agency. For information write to the National Board of Medical Examiners, 225 South Fifteenth Street, Philadelphia, Pa.

General Information

FEES AND EXPENSES

ALL FEES for instruction and other charges are paid at the Business Office of the Medical College, Room F-106, 1300 York Avenue, New York 21, N.Y.

Veterans receiving federal or state educational benefits are required to report to the Veterans Affairs Office, Room A-131, immediately after registering.

The Board of Trustees of Cornell University reserves the right to change the schedule of fees of the Medical College when deemed expedient.

APPLICATION FEE

A charge made for reviewing an application \$ 5.00

ACCEPTANCE DEPOSIT 50.00

Each student admitted is given notice of favorable action on his application and a limited time (usually two weeks) in which to decide if he will enroll in the entering class. His name is not placed on the class list until the acceptance fee is paid. The fee is credited toward the tuition charge and is not returnable if the student fails to enter.

MATRICULATION FEE (payable only once) 10.00

TUITION FEE, for academic year 900.00

This charge is payable at the beginning of the academic year, or in three equal parts, the first of which must be made at registration. For fourth year students in the academic year of 1952-53, the first installment will be due on or before September 14. No refund or rebate will be made in any instance.

STUDENT HOSPITALIZATION INSURANCE, for calendar year 19.20

This insurance is carried through the Associated Hospital Service (Blue Cross plan) and may be extended to wives and families of married students at additional cost. This compulsory insurance plan assures a limited period of care to all students during the time they are members in good standing in the Medical College.

BREAKAGE DEPOSIT 10.00

This deposit is required of first and second year students at the beginning of each academic year and will be returned, less the amount charged for breakage, at the end of the second year.

GRADUATION FEE 25.00

This charge is payable two months before graduation.

BOOKS AND INSTRUMENTS, EXCLUSIVE OF MICROSCOPES

The average cost is approximately \$110 a year, distributed as follows: first year, \$140; second year, \$215; third year, \$50; fourth year, \$30.

MICROSCOPES

Each student is required to provide himself with a microscope of an approved type. The College Book Store handles all makes, and students placing their orders here are given every consideration in the purchase price on the instrument they select.

RESIDENCE AND LIVING EXPENSES

Accommodations are available for 220 students in temporary quarters pending completion of a student residence. In these facilities the rooms are ample in size, and each provides space to accommodate two students. The location is within one block of the Medical College. The rental rate is \$200.00 per academic year per student, payable in three equal parts. Applications may be made for room reservations at the time of acceptance to enter the Medical College.

Cafeterias in the Medical College and the New York Hospital afford facilities for students to obtain well-balanced meals at a conservatively low price in comparison with New York City costs.

For students planning to take up the study of medicine, the problem of financing the course is often a difficult one to solve. Although experience in the undergraduate college may suggest the possibility of supplementing resources by carrying on outside work during the medical course, there is ample evidence to show that a student's entire time and undivided attention are required for study. It is unwise, therefore, to depend upon earning any part of one's expenses during the college year.

STUDENT HEALTH SERVICE

Members of the first year class and students transferred to advanced standing from other colleges are required to have a physical examination by a member of the Student Health Staff. In addition, each student in the Medical College must report once a year for an X-ray examination of the lungs. All members of the fourth year class are called for a reexamination and a careful check of the findings made with those presented at the time the student entered. Students pay no fee for the yearly X-ray

examination, nor for the services of the Student Health Staff, but they are charged for any special X-ray studies. Office hours are held from twelve to two o'clock daily by the Student Health Staff. Health records are kept and students advised concerning their physical condition and general health. All cases of illness must be reported to the College office. Students may have in attendance physicians of their own choice, but a reasonable amount of cooperation between such physicians and the College's Health Service is expected.

PRIZES

1. *FOR GENERAL EFFICIENCY.* In commemoration of John Metcalfe Polk, an instructor in this college who was graduated from Cornell University Medical College June 7, 1899, and died on March 29, 1904, prizes will be presented at each commencement to the three students having the highest standing for the four years' work. Only those who have taken the full course of study at Cornell University Medical College are eligible. The first prize is \$250, the second \$100, and the third \$50.

2. *FOR EFFICIENCY IN OPHTHALMOLOGY.* Two prizes, the first of \$50, and the second of \$25, are offered by Professor Bernard Samuels to the two students of the graduating class who make the best records in ophthalmology.

3. *FOR EFFICIENCY IN OTOLARYNGOLOGY.* Two prizes, the first of \$50, and the second of \$25, are offered by members of the staff of otolaryngology to the two students of the graduating class who make the best record in this specialty.

4. *FOR EFFICIENCY IN OBSTETRICS.* Two prizes, the first of \$50, the second of \$25, have been endowed by an anonymous donor in recognition of the work of Dr. Gustav Seeligman, in obstetrics, to be given to the two students of the graduating class who have made the best records in obstetrics.

5. *FOR EFFICIENCY IN GENERAL MEDICINE.* The income from \$1,000 is offered as a prize for general efficiency in the department of medicine, in commemoration of Alfred Moritz Michaelis, who was graduated from Cornell University Medical College on June 11, 1925, and who died during his internship at Mt. Sinai Hospital, April 24, 1926. Presented at each commencement to a member of the graduating class who has pursued the full course at Cornell University Medical College.

6. *THE MARY ALDRICH FUND.* In memory of William Mecklenburg Polk, M.D., LL.D., first dean of the Medical College, two prizes are offered for proficiency in research to regularly matriculated students of the Cornell University Medical College, the first of \$150, and the second of \$50. Members of all classes are eligible for these prizes.

The awards are made at the end of each academic year for the best report presented in writing of research work done by students, or for valuable reviews and logical presentations on medical subjects not to

be found fully considered in a single text or reference book. If the papers submitted are not considered worthy of special commendation the prizes will be withheld.

Papers are submitted in quadruplicate in a sealed envelope marked "Dean William Mecklenburg Polk Memorial Prize Committee" and must be in the Administration Office not later than three weeks prior to the end of each academic year.

The committee of awards for this prize consists of two members of the Faculty from laboratory departments and two from clinical departments.

For 1952 the William Mecklenburg Polk Prize awards for research were: first prize: George Seamon Shields; second prize: Peter Peter Poulos and John Rudolf Langstadt.

7. *THE WILLIAM C. THRO MEMORIAL FUND.* Established in memory of William C. Thro of the class of 1901 whose all-absorbing interest in and devotion to clinical pathology found expression in the teaching and practice of this subject in his alma mater continuously from 1910 to 1938. This prize award is to be given to the student showing the best record in the course in clinical pathology. The candidate for the prize is to be recommended by the professor of clinical pathology and the award made by the Committee on Prizes and Scholarships.

8. *THE HERMAN L. JACOBUS PRIZE IN PATHOLOGY.* Established in 1945 by a gift from Dr. Lawrence Jacobius and his friends in memory of his son who was killed in action in the Netherlands on September 28, 1944. Dr. Herman L. Jacobius was a member of the class of 1939. The income of the fund is available annually to the student of the third or fourth year class who, in the opinion of the staff of the department of pathology, merits recognition for high scholastic attainments and outstanding performance in the subject of pathology. If in any year no student merits the distinction the award will be withheld.

9. *THE BORDEN UNDERGRADUATE RESEARCH AWARD.* The terms of this grant by The Borden Company Foundation, Inc., provide for awards of \$500 during any one calendar year for a period of five years. The award will be made under the following terms and conditions:

1. All persons in the graduating class of the Medical College of Cornell University who, during any year while enrolled in the College, have carried out undergraduate research in the medical field shall be eligible for the Borden Undergraduate Research Award in Medicine. The award shall be presented at the time of his graduation to that eligible person whose research has been determined by the Medical College to be the most meritorious performed by all similarly eligible persons. Originality and thoroughness of research shall be of primary consideration.

2. In the event that the Dean shall find it inappropriate to make the award in any one year, the award may be deferred to a further year. Only one award, however, will be made during any one calendar year.

Papers submitted for this prize should be in triplicate and must be in the Administration Office not later than three weeks before the end of the term.

The Borden Prize for Research for the year 1952 was awarded to John Weldon Bellville.

SCHOLARSHIPS

1. *THE JOHN METCALFE POLK SCHOLARSHIP*. A gift under the will of William Mecklenburg Polk, the first Dean of the Medical College, is awarded annually by the Faculty. The scholarship amounts to about \$200 a year.

2. *THE THORNE SHAW SCHOLARSHIP FUND*. This fund provides three scholarships designated as:

First: A scholarship of approximately \$400 available to students after at least two years of study in the Medical College.

Second: Two scholarships of approximately \$200 each available to students after at least one year of study in the Medical College.

These scholarships are awarded by the Faculty upon nomination by the Committee on Scholarships and Prizes. They are awarded annually in June and are for one year only. Students receiving the scholarships are notified of the award at the end of the session.

3. *MARY F. HALL SCHOLARSHIP*. The income, amounting to about \$180 annually, from a fund established by bequest of Miss Mary F. Hall, is available to any woman student in Cornell University Medical College who needs its aid and who is a bona fide resident of the State of New York and was such prior to admission to the College.

4. *THE 1936 JOHN AND KATHERINE MAYER SCHOLARSHIP FUND*. A five thousand dollar fund established in 1936, the income from which is annually available to meritorious students who need its aid, and who have completed one or more years of the regular medical course. The award is for one year only, but tenable for a second or third year providing the qualifications of the candidate merit a reaward. If during any year the income from the fund is not used as stated above, then it may be used for such research work, or otherwise, as in the judgment of the Faculty (or Trustees) may be deemed best.

5. *THE 1939 JOHN AND KATHERINE MAYER SCHOLARSHIP FUND*. A five thousand dollar fund established in 1939, the income from which is annually available to meritorious students who need its aid, and who have completed one or more years of the regular medical course. The award is for one year only, but tenable for a second or third year providing the qualifications of the candidate merit a reaward. If during any year the income from the fund is not used as stated above, then it may be used for such research work, or otherwise, as in the judgment of the Faculty (or Trustees) may be deemed best.

6. *THE JEREMIAH S. FERGUSON SCHOLARSHIP*. Established in memory of Jeremiah S. Ferguson, who throughout his long connection with the Medical College, of somewhat more than forty years, devoted much effort to helping students with their individual problems and promoting their professional careers. The fund amounts to \$5000, the income from which, approximately \$200 a year, is awarded annually by the Committee on Scholarships and Prizes to a student or students in the third and fourth year classes in the Medical College who are in need of financial aid and who by conduct and scholarship have proved worthy investments.

7. *THE CHARLES RUPERT STOCKARD SCHOLARSHIP*. A ten thousand dollar fund was established in 1939 by a friend of the late Charles Rupert Stockard, Professor of Anatomy in the Cornell University Medical College, 1911-39. The interest of this fund is to be awarded either to one student (approximately \$400) or to two students (approximately \$200 each) who have shown promise in the work in the department of anatomy and who are desirous of doing advanced work in this department. The scholarships are to be awarded by the Executive Faculty upon nomination by the head of the department of anatomy.

8. *THE DR. JOHN A. HEIM SCHOLARSHIPS*. Established under the will of John A. Heim of the class of 1905 to provide such number of scholarships in the Medical College as there shall be funds available for that purpose. The awards are to be made to regularly matriculated medical students who are in need of financial assistance, as provided for in the terms of the bequest.

First year students are eligible, provided they meet the standards prescribed.

9. *THE DR. CHARLES I. HYDE '10 AND EVA HYDE SCHOLARSHIP FUND*. Established in memory of their daughter, Anita Shirley Hyde. The terms of this endowment provide that the income be available annually to meritorious students who have completed one year of the regular medical course and are in need of assistance. It is further stipulated by the donors that the scholarship be available at once; that they propose to subscribe \$75 annually for this purpose until such time as the terms of the bequest become effective; and that if during any year the income from the fund shall not be used for scholarship purposes, the same may be used for research work or otherwise as may be determined by the Board of Trustees after consultation by the President of the University and the Dean of the College.

10. *THE DR. JACQUES SAPHIER SCHOLARSHIP FUND*. Established in memory of Dr. Jacques Conrad Saphier (Lieutenant, j.g., USNR) of the class of 1940, who was killed in action on August 21, 1942, at Guadalcanal while in the performance of his duty. The income from this fund shall be awarded annually to a meritorious student of the

Cornell University Medical College who has completed at least one year of work, who needs its aid, and who, in the opinion of the Faculty merits the recognition for which this scholarship was established.

11. *THE ELISE STRANG L'ESPERANCE SCHOLARSHIP.* This award is maintained by the personal contributions of Dr. Elise Strang L'Esperance, whose interests in the educational advancements of the Medical College have continued for many years. The value of this scholarship is \$1,000, and the award is to be given annually to the most outstanding woman medical student in the fourth year class in Cornell University Medical College. The selection of the recipient of this scholarship is to be made by the Dean in consultation with persons suggested under the original donation.

12. *THE SAGAN FOUNDATION SCHOLARSHIP.* An annual scholarship of \$500 to be awarded to a student in Cornell University Medical College, to be selected by the College on the basis of scholarship and need, without reference to race, color, sex, or creed. In the event the Foundation should discontinue the award, at least one year's notice shall be given the Medical College. A special blank issued by the Sagan Foundation should be obtained from the Dean's Office by students making application for this scholarship.

13. *RUTH HOLLOHAN SCHOLARSHIP FUND.* This fund was established by the terms of the will of Jessie L. Hollohan in memory of Ruth Hollohan. The income is to be used for scholarships for students in the Medical College, with first consideration to be given to entering students of good scholarship who are in need of financial assistance.

14. *PFIZER SCHOLARSHIP FUND FOR MEDICAL STUDENTS.* This scholarship fund, amounting to \$1,000, has been established by Charles Pfizer & Co., Inc. This fund may be divided among no more than three students to help defray the cost of tuition, books, and living expenses. It is to be awarded to first or second year students.

BURSARY FOR WOMEN STUDENTS

THE MARIE AND JOHN ZIMMERMAN FUND. A sum from this fund will be available this year to certain women students as a memorial to Marie Zimmerman, Sr. The candidates will be chosen in accordance with the purposes of the donor as set forth in the following terms:

"It is the desire of the Fund that Dr. Connie M. Guion and the Assistant Dean assign the proceeds of the donations to one or more women medical students who are financially in need of assistance and whose academic standing leads them to believe that the recipients of the awards will make a success in their profession."

The objectives and method of assigning these awards will follow the principles accompanying the donations received during the present year.

LOAN FUNDS

1. *THE 1923 LOAN FUND.* The income from this fund amounts to \$350 a year and is available as a loan to students needing financial assistance, preferably to a third year student.

2. *ALUMNI ASSOCIATION LOAN FUNDS.* The Alumni Association of the Medical College is able to aid a few students in meeting their expenses by the Jessie P. Andresen Memorial Fund and the Class Student Loan Funds. The loans made from these funds will be administered by the Board of Directors of the Alumni Association. The Medical College is consulted in making these awards. Students in the upper classes will be given preference.

3. *STUDENT LOAN FUND.* A revolving fund contributed through different sources including The Kellogg Foundation, The Charles Hayden Foundation, and the Student Book Store is available to students in all classes who are in need of assistance. Every effort is made within the limitations of the financial structure of the institution to help students who by reason of unforeseen circumstances get into money difficulties. A special committee considers each case on its individual merits. A student having indebtedness to the Medical College in other ways than formal loans is ineligible for graduation.

ALPHA OMEGA ALPHA

Alpha Omega Alpha is a nonsecret Medical College Honor Society, membership in which is based upon scholarship, moral qualifications being satisfactory. It was organized at the College of Medicine of the University of Illinois, Chicago, August 25, 1902. A.O.A. is the only order of its kind on this continent.

Elections are made from students who have fully completed two years of a four year curriculum, by unanimous vote of the active members acting on recommendations made by Faculty advisers. Not more than one-sixth of any class may be elected. Aspects of and indispensable to true scholarship are included open-mindedness, individuality, originality, demonstration of studious attitude, and promise of intellectual growth.

The Cornell Chapter of A.O.A. was organized May 2, 1910. A large number of the Faculty are members. The Chapter sponsors an annual open lecture delivered in the Medical College Auditorium on a cultural or historical phase of medicine.

The members elected from the graduating class of 1952 are the following: Julius J. Baber, Louis Bove, John W. Bromley, William Cooper, James C. Gammill, Leston L. Havens, Martin D. Keller, Thomas Killip, III, David N. Niceberg, Burton Rubin, Edwin Sevringhaus, Lewis Shenker, Peter E. Stokes.

SIGMA XI

Sigma Xi, a national honorary society devoted to the encouragement of scientific research, was founded at Cornell University at Ithaca in 1886. An active branch of the Cornell Chapter is maintained at the Medical College. Many members of the Faculty and research staff are members of Sigma Xi and share in the activities of the Cornell Chapter. Medical students are eligible for election to membership in Sigma Xi on the basis of proved ability to carry on original medical research and on nomination by active members of the Cornell Chapter. As part of its program for the encouragement of medical research, the Cornell Chapter sponsors an annual lecture to the staff and student body by an outstanding investigator in the field of medical science.

CORNELL UNIVERSITY MEDICAL COLLEGE
ALUMNI ASSOCIATION, INC.

Officers

Nelson W. Cornell, '21	<i>President</i>
Irving S. Wright, '26	<i>Vice President</i>
Mary Ann Payne, '45	<i>Secretary</i>
Henry A. Carr, '25	<i>Treasurer</i>

Directors

Three Year Term: Paul Reznikoff, '20; Connie M. Guion, '17.
Two Year Term: William H. Cassebaum, '31; Alphonse E. Timpanelli, '36.
One Year Term: Horace S. Baldwin, '21; Edward V. Denneen, '25.

Alumni Quarterly

David N. Barrows, '12	<i>Editor</i>
Willis M. Weeden, '19	<i>Associate Editor</i>
Edward F. Stanton, '35	<i>Associate Editor</i>
Miss Mary E. Gleason	<i>Executive Secretary</i>

Each graduate of Cornell University Medical College is automatically considered a member of the Alumni Association, and the dues are \$5 a year. The activities of the Association include a quarterly publication, an annual banquet, student and faculty parties, student loan funds, and an employment bureau. The Association maintains an office at 1300 York Avenue.

An annual appeal for funds for the use of the Medical College is made to members of the Association.

Educational Policies and Plan of Instruction

THE MEDICAL COLLEGE is divided into twelve major departments, seven of which are primarily concerned with the sciences underlying clinical medicine. They are anatomy, biochemistry, physiology, bacteriology and immunology, pathology, pharmacology, and public health and preventive medicine. Five departments have as their major functions the study, treatment, and prevention of human diseases, and maternity care. These are medicine, surgery, pediatrics, psychiatry, and obstetrics and gynecology.

The heads of these major departments, together with the President of the University and the Dean, constitute the Executive Faculty, which is responsible for the educational policies of the College.

Courses required to be completed by each student before the degree of Doctor of Medicine is conferred by Cornell University are offered by each department. These courses are arranged, in their sequence and duration, to develop logically the knowledge and training of students and to build up gradually the requirements needed for graduation as Doctor of Medicine. The various departments also offer courses and opportunities for special study open to regular medical students, to candidates for advanced degrees in the Graduate School of Cornell University, and to qualified advanced students of medicine not candidates for degrees.

Medical knowledge is so extensive that only a small part of that needed for a successful career in medicine can be acquired during the time devoted to medical study by the medical college curriculum. The time devoted by the prospective physician to his preparation for the practice of medicine includes at least one and often many more years of graduate medical education as intern or resident of a hospital, either in clinical or laboratory work or both. The required period of study at Cornell University Medical College extends over four academic years of at least thirty-three weeks each.

As medical science and medical practice may be pursued in a variety of ways, it is the policy of the College to encourage the student to vary his course of study according to his special interests and particular talents as far as is consistent with meeting the requirements for the degree of Doctor of Medicine.

A thesis is not required for the degree of Doctor of Medicine, but students are encouraged to engage in individual work as far as their time

permits, with the hope that they may accomplish results worthy of publication. It is desirable, therefore, for some students to devote all their free time to a single subject in which they have a special interest.

The development of technical and scientific proficiency in the various special fields of clinical medicine is not encouraged during the regular medical course but must await adequate training after graduation.

The first year of study is devoted to anatomy, biochemistry, physiology, bacteriology, and psychobiology.

In the second year, the subjects of physiology and bacteriology are completed, and the student takes up work in parasitology, pathology, pharmacology, physical diagnosis, psychiatry, neurology, clinical pathology, public health, ophthalmology, radiology, and surgery.

During the third and fourth years, students are divided into small groups for practical work in the various clinics and for elective work. The third year class meets at noon each day for clinical lectures and demonstrations.

Time for elective work is provided in the fourth year, after students have had opportunities to acquire some knowledge of the medical sciences and of clinical medicine. Students are advised to consult informally members of the Faculty in regard to the use of their time for elective work. It is deemed best not to establish a formal advisory system.

The Faculty expressly reserves the right to make alterations in the curriculum whenever advisable and without previous notice to students.

Description of Courses

ANATOMY

JOSEPH C. HINSEY, Professor of Anatomy.
CHARLES V. MORRILL, Professor of Anatomy.
CHARLES M. BERRY, Associate Professor of Anatomy.
JOHN MacLEOD, Associate Professor of Anatomy.
WILLIAM A. GEOHEGAN, Assistant Professor of Clinical Anatomy.
THEODORE C. GREENE, Assistant Professor of Anatomy.
LAWRENCE W. HANLON, Assistant Professor of Anatomy.
ERNEST W. LAMPE, Assistant Professor of Clinical Anatomy.
JOHN F. SEYBOLT, Assistant Professor of Anatomy.
DAVID ANDERSON, Instructor in Anatomy.
WILBUR D. HAGAMEN, Instructor in Anatomy.
IRENA KOPROWSKA, Research Fellow in Anatomy.

EMBRYOLOGY AND HISTOLOGY . . . The work in embryology presupposes a general knowledge of the subject, particularly that of the early development of the chick. It embraces a thorough study of the development of the mammalian embryo in the light of our knowledge of the evolution of the human body. Malformations resulting from developmental disturbances are broadly considered. The course is closely correlated with that of gross anatomy.

The work in histology includes the histogenesis and microscopic structures of all organs of the human body with the exception of the central nervous system (*see* Neuroanatomy). Emphasis is laid on relation of structure to function.

The tissues are studied principally by means of stained sections and practice is given in rapid identification of their diagnostic features. Demonstrations of living material are made, and opportunities are offered for acquiring the essentials of histological technique.

Laboratory and lectures, 180 hours, first and second terms. Required of all first year students.

NEUROANATOMY . . . A laboratory course on the gross and microscopic anatomy of the human nervous system. Special emphasis is laid on the more important pathways and their functions.

Laboratory and demonstrations, 84 hours. Required of all first year students during the second term.

GROSS ANATOMY OF THE HUMAN BODY . . . This is taught by means of laboratory exercises and dissections. The required work in-

cludes: (a) dissection of the part; (b) demonstrations, study, and discussion upon dissected and prepared specimens.

Total laboratory hours, 374. First and second terms of the first year. Required of all first year students.

ELECTIVE COURSES . . . Subject to the approval of the department of anatomy, its equipment is available to medical students wishing to pursue advanced work or research in anatomical subjects. Members of the staff will direct the progress of such undertakings. Schedules to fit individual cases will be arranged for a limited number of third and fourth year students who may devote the major part or all of their elective time in this department. Such elective time may be devoted to one of the following: (1) a review of dissection; (2) dissection of a foetus; (3) microscopic anatomy; (4) embryology; (5) special research problems.

COURSES OPEN TO SPECIAL STUDENTS

GROSS ANATOMY . . . A limited number of graduates in medicine will be provided with material for dissection of the human body. Fee, \$50 for a term of ten weeks; or for entire dissection, \$100.

COURSE IN SURGICAL ANATOMY . . . This course consists of an extensive review of surgical anatomy with demonstrations and dissections. It is specially designed for candidates for the American Board of Surgery and is in charge of Dr. Ernest W. Lampe. The fee for the course, which includes matriculation, registration charges, and tuition, is \$200, and the course will be for a period of four weeks. The size of the class is limited to 25 persons. Inquiries may be directed to Office of the Dean, Cornell University Medical College, 1300 York Avenue, New York 21, N.Y.

COURSE IN CYTOLOGIC DIAGNOSIS OF CANCER . . . This course consists of training in the technique and interpretation of smears prepared from various body fluids, with discussions and laboratory work. It is designed for qualified physicians and laboratory workers. The teaching is done by Dr. George N. Papanicolaou and associates. The fee for the course, including tuition, matriculation, and administration charges, is \$300. One course of three months will be given this year, beginning in March. The size of the classes is limited to 15 persons. Inquiries may be directed to Dr. John F. Seybolt, Cornell University Medical College, 1300 York Avenue, New York 21, N.Y.

ANATOMICAL RESEARCH . . . Subject to special arrangement with the head of the department.

BACTERIOLOGY AND IMMUNOLOGY

JAMES M. NEILL, Professor of Bacteriology and Immunology.

EDWARD J. HEHRE, Associate Professor of Bacteriology and Immunology.

JOHN Y. SUGG, Associate Professor of Bacteriology and Immunology.

———, Instructor in Bacteriology and Immunology.

The course is given in the third term of the first year and in the first term of the second year. Emphasis is placed upon the aspects of microbiology and immunology that are pertinent to an understanding of the infectious diseases.

FIRST YEAR . . . The laboratory work includes a survey of representative morphological groups of pathogenic bacteria, a study of the microbial flora of the upper respiratory and lower intestinal tracts of healthy persons, and experiments on the mechanisms involved in antigen-antibody reactions. The lectures are directed toward the establishment of general concepts, particularly the principles involved in microbial growth, the principles underlying active immunization, and the factors that enter into host-parasite relationships.

Lectures and laboratory: 55 hours.

SECOND YEAR . . . In this term a more intensive study is made of the agents of specific infections, including fungi, spirochetes, rickettsiae, and viruses, as well as bacteria. General concepts introduced in the first term are further developed by applying them to the specific diseases. Laboratory work with material from patients is included, not only to acquaint the student with the technical procedures, but to illustrate the application of fundamental principles to practical methods. The action of chemotherapeutic agents, especially those of microbial origin, are considered.

Lectures, laboratory, and conference: 88 hours.

ELECTIVE COURSES . . . The department will arrange a schedule of work for fourth year students who wish to devote their elective time to microbiology and immunology.

BIOCHEMISTRY

VINCENT DU VIGNEAUD, Professor of Biochemistry.
ROY W. BONSNES, Associate Professor of Biochemistry.
DONALD B. MELVILLE, Associate Professor of Biochemistry.
JULIAN R. RACHELE, Associate Professor of Biochemistry.
HELENA GILDER, Assistant Professor of Biochemistry.
DOROTHY S. GENGHOF, Research Associate in Biochemistry.
CHARLOTTE RESSLER, Research Associate in Biochemistry.
CARLTON W. ROBERTS, Research Associate in Biochemistry.
MARY ELIZABETH WRIGHT, Research Associate in Biochemistry.
STERLING TAYLOR, Instructor in Biochemistry.
WILLIAM J. CATHEY, Fellow in Biochemistry.
LAURANCE D. GOODWIN, Fellow in Biochemistry.
SAMUEL GORDON, Assistant in Biochemistry.
EDWARD J. KUCHINSKAS, Assistant in Biochemistry.
R. CLAIRE LAWLER, Assistant in Biochemistry.
CHARLES C. OTKEN, Assistant in Biochemistry.

The instruction in biochemistry is concentrated in the first year and is arranged upon the assumption that the student is already thoroughly grounded in the principles of chemistry and physics. The object is to impart that fundamental knowledge of biochemistry which is necessary to the comprehension of the bearings of chemistry upon medicine.

The schedule during the first and second terms is devoted to an intensive course in general biochemistry by means of lectures, demonstrations, and conferences. During the third term the instruction is centered largely in the laboratory and the conference room where the knowledge gained in the first two terms is consolidated and amplified. Considerable emphasis is laid upon quantitative rather than qualitative laboratory procedures. Throughout these lectures the application of biochemistry to the study of disease and metabolic disturbances is stressed. Collateral reading in biochemical literature is encouraged.

FIRST AND SECOND TERM . . . Lecture and conference course dealing with the chemistry and intermediary metabolism of proteins, fats, carbohydrates, and purines; enzymes, digestion, intestinal putrefaction, and feces; the composition of the tissues, blood, milk, and urine; hormones and vitamins; the elements of physical chemistry as applied to biology and medicine, with emphasis on the fundamental properties of electrolytes and colloids.

33 hours, first term.

33 hours, second term.

THIRD TERM . . . Laboratory course with lectures and conferences, extending the work of the first two terms.

154 hours, third term.

ELECTIVE COURSES

ADVANCED LABORATORY WORK OR RESEARCH . . . By special arrangement.

COURSES OPEN TO SPECIAL STUDENTS

BIOCHEMISTRY . . . Fee, \$25 a term.

BIOCHEMICAL LITERATURE . . . Seminar course on the current literature in biochemistry, mainly for graduate students, but open to a limited number of specially qualified medical students. Hours to be arranged. Professors du Vigneaud, Melville, and Rachele.

BIOCHEMICAL PREPARATIONS . . . A laboratory course dealing with the isolation, synthesis, and analysis of selected compounds of biological importance. Hours, credits, and fees to be arranged. The Staff.

RESEARCH IN BIOCHEMISTRY . . . By arrangement with the head of the department.

MEDICINE

DAVID P. BARR, Professor of Medicine.
LLOYD F. CRAVER, Professor of Clinical Medicine.
LOUIS HAUSMAN, Professor of Clinical Medicine (Neurology).
GEORGE M. LEWIS, Professor of Clinical Medicine (Dermatology).
ASA L. LINCOLN, Professor of Clinical Medicine.
PAUL REZNIKOFF, Professor of Clinical Medicine.
LEWIS D. STEVENSON, Professor of Clinical Medicine (Neurology).
HAROLD G. WOLFF, Professor of Medicine (Neurology).
IRVING S. WRIGHT, Professor of Clinical Medicine.
THOMAS P. ALMY, James Ewing Associate Professor of Neoplastic Diseases (Medicine).
HORACE S. BALDWIN, Associate Professor of Clinical Medicine.
ANTHONY C. CIPOLLARO, Associate Professor of Clinical Medicine (Dermatology).
*JOHN E. DEITRICK, Associate Professor of Medicine.
HENRY S. DUNNING, Associate Professor of Clinical Medicine.
CARY EGGLESTON, Associate Professor of Clinical Medicine.
CLAUDE E. FORKNER, Associate Professor of Clinical Medicine.
RICHARD H. FREYBERG, Associate Professor of Clinical Medicine.
EDWIN T. HAUSER, Associate Professor of Clinical Medicine.
MARY E. H. LOVELESS, Associate Professor of Clinical Medicine (Allergy).
WALSH McDERMOTT, Associate Professor of Medicine.
ADE T. MILHORAT, Associate Professor of Medicine in Psychiatry.
CARL MUSCHENHEIM, Associate Professor of Clinical Medicine.
THEODORE E. OPEL, Associate Professor of Clinical Medicine.
HAROLD E. B. PARDEE, Associate Professor of Clinical Medicine.
HENRY B. RICHARDSON, Associate Professor of Clinical Medicine.
SIDNEY ROTHBARD, Associate Professor of Medicine.
EPHRAIM SHORR, Associate Professor of Medicine.
DONALD J. SIMONS, Associate Professor of Clinical Medicine.
HAROLD J. STEWART, Associate Professor of Medicine.
HENRY J. TAGNON, Associate Professor of Clinical Medicine.
EDWARD TOLSTOI, Associate Professor of Clinical Medicine.
RALPH TOMPSETT, Associate Professor of Clinical Medicine.
ROBERT F. WATSON, Associate Professor of Clinical Medicine.
BRUCE P. WEBSTER, Associate Professor of Clinical Medicine.
ANDREW J. AKELAITIS, Assistant Professor of Clinical Medicine (Neurology).
SILVIO BAEZ, Assistant Professor of Clinical Medicine.
KEEVE BRODMAN, Assistant Professor of Clinical Medicine.
JACOB BUCKSTEIN, Assistant Professor of Clinical Medicine.
KATHARINE BUTLER, Assistant Professor of Clinical Medicine.
HENRY A. CARR, Assistant Professor of Clinical Medicine.
ANNE C. CARTER, Assistant Professor of Medicine.
AARON D. CHAVES, Assistant Professor of Clinical Medicine.
EUGENE J. COHEN, Assistant Professor of Clinical Medicine.
FRANK E. CORMIA, Assistant Professor of Clinical Medicine (Dermatology).
PETER G. DENKER, Assistant Professor of Clinical Medicine (Neurology).

*On leave of absence.

HENRY D. DIAMOND, Assistant Professor of Clinical Medicine.
HOWARD A. EDER, Assistant Professor of Clinical Medicine.
RALPH L. ENGLE, Jr., Assistant Professor of Medicine.
AARON FEDER, Assistant Professor of Clinical Medicine.
WILLIAM T. FOLEY, Assistant Professor of Clinical Medicine.
CONSTANCE FRIESS, Assistant Professor of Clinical Medicine.
WILLIAM J. GRACE, Assistant Professor of Clinical Medicine.
SIDNEY M. GREENBERG, Assistant Professor of Clinical Medicine.
SUSAN J. HADLEY, Assistant Professor of Clinical Medicine.
MILTON HELPERN, Assistant Professor of Clinical Medicine.
LAWRENCE E. HINKLE, Jr., Assistant Professor of Clinical Medicine.
EVELYN HOLT, Assistant Professor of Clinical Medicine.
GEORGE L. KAUER, Jr., Assistant Professor of Clinical Medicine.
B. H. KEAN, Assistant Professor of Clinical Medicine (Tropical Medicine).
MARGARET KLUMP, Assistant Professor of Clinical Medicine.
MILTON L. KRAMER, Assistant Professor of Clinical Medicine.
JOHN S. LADUE, Assistant Professor of Clinical Medicine.
LEON I. LEVINE, Assistant Professor of Clinical Medicine.
SOL S. LICHTMAN, Assistant Professor of Clinical Medicine.
E. HUGH LUCKEY, Assistant Professor of Medicine.
ABRAHAM MAZUR, Assistant Professor of Biochemistry in Medicine.
RALPH S. OVERMAN, Assistant Professor of Biochemistry in Medicine.
MARY ANN PAYNE, Assistant Professor of Clinical Medicine.
NORMAN PLUMMER, Assistant Professor of Clinical Medicine.
GEORGE G. READER, Assistant Professor of Clinical Medicine.
J. JAMES SMITH, Assistant Professor of Clinical Medicine.
ISRAEL STEINBERG, Assistant Professor of Clinical Medicine.
ARTHUR M. SUTHERLAND, Assistant Professor of Clinical Medicine.
ALPHONSE E. TIMPANELLI, Assistant Professor of Clinical Medicine.
CHARLES H. WHEELER, Assistant Professor of Clinical Medicine.
BYARD WILLIAMS, Assistant Professor of Clinical Medicine.
BEATRICE BERLE, Research Associate in Medicine.
ERWIN SHEPPARD, Research Associate in Medicine.
CLARA TORDA, Research Associate in Medicine.
ABRAHAM A. ANTOVILLE, Instructor in Medicine.
SAM C. ATKINSON, Instructor in Medicine.
RUTH P. BERKELEY, Instructor in Medicine.
LOUIS BERLIN, Instructor in Medicine.
VERONICA C. BROWN, Instructor in Medicine.
GRAFTON E. BURKE, Instructor in Medicine.
EDWARD A. BURKHARDT, Instructor in Medicine.
JEFF DAVIS, Instructor in Medicine.
MARION DAVIS, Instructor in Medicine.
MONROE T. DIAMOND, Instructor in Medicine.
JOHN W. DOUGHERTY, Instructor in Medicine.
MURRAY DWORETZKY, Instructor in Medicine.
ROBERT E. ECKARDT, Instructor in Medicine.
ALBERT J. ERDMANN, Jr., Instructor in Medicine.
EMIL A. FALK, Instructor in Medicine.
LAWRENCE FARMER, Instructor in Medicine.
JOHN M. GIBBONS, Instructor in Medicine.
ELSIE A. GIORGI, Instructor in Medicine.
OSCAR E. GOLDSTEIN, Instructor in Medicine.
KEITH O. GUTHRIE, Jr., Instructor in Medicine.
LOUIS A. HAUSER, Instructor in Medicine.

RICHARD J. HAVEL, Instructor in Medicine.
 DAVID S. HAYS, Instructor in Medicine.
 LEONARD L. HEIMOFF, Instructor in Medicine.
 HERMAN G. HELPERN, Instructor in Medicine.
 LAWRENCE B. HOBSON, Instructor in Medicine.
 *EUGENE L. HORGER, Instructor in Medicine.
 ROBERT D. HUEBNER, Instructor in Medicine.
 LEIF Y. JACOBSEN, Instructor in Medicine.
 SCOTT JOHNSON, Instructor in Medicine.
 WILLIAM H. KAMMERER, Instructor in Medicine.
 LAWRENCE I. KAPLAN, Instructor in Medicine.
 HENRY B. KIRKLAND, Instructor in Medicine.
 J. VERNON KNIGHT, Instructor in Medicine.
 HERBERT KOTEEN, Instructor in Medicine.
 MICHAEL LAKE, Instructor in Medicine.
 ROGER F. LAPHAM, Instructor in Medicine.
 HAROLD L. LEDER, Instructor in Medicine.
 RICHARD E. LEE, Instructor in Medicine.
 CHARLES A. LEMAISTRE, Instructor in Medicine.
 DOROTHEA LEMCKE, Instructor in Medicine.
 ALLYN B. LEY, Instructor in Medicine.
 JERROLD S. LIEBERMAN, Instructor in Medicine.
 ROBERT M. LINTZ, Instructor in Medicine.
 *ROBERT O. LOEBEL, Instructor in Medicine.
 DANIEL S. LUKAS, Instructor in Medicine.
 A. PARKS McCOMBS, Instructor in Medicine.
 RICHARD R. McCORMACK, Instructor in Medicine.
 JOHN F. MARCHAND, Instructor in Medicine.
 HERBERT L. MARTIN, Instructor in Medicine.
 KIRBY MARTIN, Instructor in Medicine.
 ROBERT H. MELCHIONNA, Instructor in Medicine.
 RAYMOND E. MILLER, Instructor in Medicine.
 L. MARY MOENCH, Instructor in Medicine.
 WILLIS A. MURPHY, Instructor in Medicine.
 WARREN B. NESTLER, Instructor in Medicine.
 RICHARDSON K. NOBACK, Instructor in Medicine.
 MARJORIE B. PATTERSON, Instructor in Medicine.
 R. A. REES PRITCHETT, Instructor in Medicine.
 CHARLES H. RESSLER, Instructor in Medicine.
 EDGAR A. RILEY, Instructor in Medicine.
 JACOB ROBBINS, Instructor in Medicine.
 WILLIAM C. ROBBINS, Instructor in Medicine.
 JULIUS L. ROGOFF, Instructor in Medicine.
 ALBERT L. RUBIN, Instructor in Medicine.
 JOSEPH F. SABBATINO, Instructor in Medicine.
 THERESA SCANLAN, Instructor in Medicine.
 CHARLES SHEARD, Instructor in Medicine.
 EDWARD M. SHEPARD, Instructor in Medicine.
 AARON D. SPIELMAN, Instructor in Medicine.
 WILLIAM D. STUBENBORD, Instructor in Medicine.
 JAMES T. SUTTER, Instructor in Medicine.
 KATHARINE W. SWIFT, Instructor in Medicine.
 DOUGLAS P. TORRE, Instructor in Medicine.

*On leave of absence.

MAURICE TULIN, Instructor in Medicine.
J. RUSSELL TWISS, Instructor in Medicine.
MARIAN TYNDALL, Instructor in Medicine.
FREDERICK E. G. VALERGAKIS, Instructor in Medicine.
FREDERICK C. WEBER, JR., Instructor in Medicine.
CHARLES A. WERNER, Instructor in Medicine.
ERWIN A. WERNER, Instructor in Medicine.
HAROLD N. WILLARD, Instructor in Medicine.
FELIX WROBLEWSKI, Instructor in Medicine.
SEYMOUR ZUCKER, Instructor in Medicine.
JORGE ARAUJO, Research Fellow in Medicine.
CARL A. BERNTSEN, JR., Research Fellow in Medicine.
KENNETH C. BOYCE, Research Fellow in Medicine.
DONALD G. W. BROOKING, Research Fellow in Medicine.
DOUGLAS J. BUCHAN, Research Fellow in Medicine.
PHILIPPE V. CARDON, JR., Research Fellow in Medicine.
RONALD K. DOIG, Research Fellow in Medicine.
DuMONT F. ELMENDORF, JR., Research Fellow in Medicine.
HELEN GOODELL, Research Fellow in Medicine.
JOEL GRIBETZ, Research Fellow in Medicine.
OTTO HERRMANN, Research Fellow in Medicine.
BASIL S. HETZEL, Research Fellow in Medicine.
HOWARD H. HIATT, Research Fellow in Medicine.
MARY E. HOPPER, Research Fellow in Medicine.
EDWARD G. KIDD, Research Fellow in Medicine.
FREDERIC THEODORE KIRKHAM, JR., Research Fellow in Medicine.
ROBERT M. McCUNE, Research Fellow in Medicine.
LOUISE H. ORMOND, Research Fellow in Medicine.
PETER ROGATZ, Research Fellow in Medicine.
WILLIAM W. SCHOTTSTAEDT, Research Fellow in Medicine.
SELMA M. SHULTZ, Research Fellow in Medicine.
EUGENE P. SIMON, Research Fellow in Medicine.
HARRY A. SINCLAIRE, Research Fellow in Medicine.
MARVIN H. SLEISINGER, Research Fellow in Medicine.
A. HARELL STEINBERG, Research Fellow in Medicine.
HERMAN STEINBERG, Research Fellow in Medicine.
CARL R. STEVENSON, Research Fellow in Medicine.
HERTHA H. TAUSSKY, Research Fellow in Medicine.
ALEXANDER TAYLOR, Research Fellow in Medicine.
VINCENT A. TOSCANI, Research Fellow in Medicine.
JOHN A. TULLOCH, Research Fellow in Medicine.
MARK ZBOROWSKI, Research Fellow of Anthropology in Medicine.
JEAN H. ABEL, Assistant in Medicine.
SEYMOUR ADVOCATE, Assistant in Medicine.
FRANK N. BILISOLY, III, Assistant in Medicine.
WARREN S. BRAVEMAN, Assistant in Medicine.
THOMAS E. BRITTINGHAM, Assistant in Medicine.
CAROLYN H. DIEHL, Assistant in Medicine.
PIERRE M. DREYFUS, Assistant in Medicine.
MARK EISENBUD, Assistant in Medicine.
ESTHER M. FINCHER, Assistant in Medicine.
PAUL J. FURLONG, Assistant in Medicine.
FRANCIS J. GILROY, Assistant in Medicine.
EDWARD I. HONIG, Assistant in Medicine.

WILLIAM H. JEFFREYS, Assistant in Medicine.
 ERNEST T. LIVINGSTONE, Assistant in Medicine.
 ELLEN McDEVITT, Assistant in Medicine.
 DAVID W. MOLANDER, Assistant in Medicine.
 PATRICK J. MULROW, Assistant in Medicine.
 CARL K. NEEDY, Assistant in Medicine.
 DEWEY A. NELSON, Assistant in Medicine.
 THOMAS G. PENNINGTON, Assistant in Medicine.
 FRANCIS S. PERRONE, Assistant in Medicine.
 DAVID M. ROSEMAN, Assistant in Medicine.
 BERTON P. SMITH, Assistant in Medicine.
 LAWRENCE S. SONKIN, Assistant in Medicine.
 SUCCJO SUH, Assistant in Medicine.
 LAWRENCE SWEENEY, Assistant in Medicine.
 HARTWELL G. THOMPSON, JR., Assistant in Medicine.
 PAUL R. vom EIGEN, Assistant in Medicine.
 LILA A. WALLIS, Assistant in Medicine.
 CARL WIERUM, Assistant in Medicine.
 MARY M. WILBER, Assistant in Medicine.
 EUGENE I. ZINS, Assistant in Medicine.

WILLIAM G. C. MUNROE, Lecturer in Medicine (Tuberculosis).
 IGNAZ W. OLJENICK, Lecturer in Medicine (Neurology).
 ROBERT L. YEAGER, Lecturer in Medicine (Tuberculosis).

Students begin their course in medicine in the second term of the second year with physical diagnosis under Dr. Stewart. They are introduced to this subject in the second term (two afternoons a week) by means of lectures, demonstrations, and practical work on normal subjects and patients. In the third term they spend two mornings a week with the patients either in the pavilions of New York Hospital or on the wards of Bellevue, Memorial Hospital, or Lincoln Hospital.

An introductory course in neurologic diagnostic methods is given under the direction of Dr. Wolff in the third term of the second year. The work consists of demonstrations and intensive training in the discipline of neurological examination. The students in groups of three are assigned to an instructor on the neurology service at Bellevue Hospital. This work coincides in time with the other training in physical diagnosis.

An introductory required course in clinical pathology is given in the third term of the second year, under the direction of Dr. Kellner. It consists of lectures and laboratory work. Among the topics discussed are the theory, practice, and application of methods for the examination of urine, blood, sputum, exudates, transudates, spinal fluid, gastric contents, and feces. The methods studied include chemical, morphological, serological, and animal inoculation methods which are of value as diagnostic procedures. Discussion of the clinical signification of findings is included. In addition, certain allergic phenomena are presented in lecture and demonstration and their clinical relationship is discussed.

In each of the terms of the third year, one third of the class act as clinical clerks in medicine in the pavilions of the New York Hospital.

The medical wards of the New York Hospital under the supervision of Dr. Barr comprise five public pavilions totaling 126 beds. The service includes patients with diseases of the nervous system and of the skin. These are under the care of subdepartments which are organized for teaching and clinical research as well as the management of patients. They are, therefore, analogous to independent departments of dermatology and neurology as seen in other hospitals. An active pulmonary service is functioning in close cooperation with the surgical service and pediatric service. Beds on the fourth floor are used for the study and treatment of infectious diseases, including tuberculosis, the exanthemata, and syphilis. The syphilis service (Medicine L) is organized for the study of all phases of the disease as well as for its epidemiological control. There is close cooperation with the department of psychiatry in the study of the neuroses and early manifestations of psychoses found in the wards and dispensary.

The third year clinical clerkship at the New York Hospital is under the direction of Drs. Barr, Wolff, and Grace. The backbone of the student's training as a clinical clerk is believed to be his own experience with patients as amplified by reading and by contact with members of the hospital and teaching staff. He is given as much responsibility as is practical, namely, the recording, in the hospital records, of his own histories and laboratory examinations. These, together with his physical examinations, are supervised by tutors, each of whom has responsibility for the supervision of a small group of students. Additional teaching consists of rounds with the visiting and house staff and more formal conferences once a week in which the clerks present cases for criticism and discussion. In these it is attempted to cover the more important fields of internal medicine. The work of the clerkships is supplemented by frequent clinical conferences which are held throughout the academic year. During the clinical clerkship the students receive further training in the evaluation of signs and symptoms of disease of the nervous system. Twice a week the clinical clerks discuss the personality and psychiatric problems of their patients with a member of the department of psychiatry. Two teaching visits a week at the New York Hospital are dedicated to neurological problems. This work supplements that of the second year by placing special emphasis upon etiology and therapeutics in diseases of the nervous system.

The instruction of senior students is conducted in the outpatient department with the intent of offering experience in general medicine, neurology, dermatology, and other medical specialties. Other departments of the clinic such as physiotherapy and dietotherapy provide demonstrations. Practical work with patients is supplemented by seminars, demonstrations, and conferences and by presentation of subjects by the students.

This course for seniors has been fused with the Medical Comprehensive

Care and Teaching Program, description of which will be found on page 61.

Clinical-pathological conferences organized by the department of pathology in conjunction with the clinical departments occur weekly throughout the year.

ELECTIVE COURSES

CLINICAL CLERKSHIP AT BELLEVUE HOSPITAL... Dr. E. Hugh Luckey and staff. For periods of one month. Maximum registration, eight students. Work will include case assignments, ward rounds, frequent conferences with Dr. Luckey and members of his staff.

ENDOCRINOLOGY AND METABOLISM... Dr. Ephraim Shorr and staff. For periods of two months. Maximum registration, two students. The work will consist of assignments to diabetic clinic, endocrine clinic, metabolism ward, and participation in applicable laboratory methods.

INFECTIOUS DISEASES AND CHEMOTHERAPY... Dr. Walsh McDermott and Dr. Ralph Tompsett. For periods of one or two months. Maximum registration, two students. Work will include assignments to infectious disease ward for the study of tuberculosis, participation in clinical and research projects under way in this subdepartment.

NEUROLOGY... Dr. Harold G. Wolff and staff. For periods of one month or two months. Maximum registration, three students. For the shorter period, the work will include participation in clinical activities, on the neurological outpatient department and ward. For the longer period, it will include also participation in investigative problems.

CARDIOLOGY... Dr. Harold J. Stewart and staff. For period of two months. Maximum registration, one student. The work will consist of participation in the cardiac clinic and wards, and the reading of electrocardiograms, and assignments to research problems.

HEMATOLOGY... Dr. Paul Reznikoff and staff. For periods of one month or two months. Maximum registration, two students. The work will include participation in clinical activities in the outpatient department, ward, and hematology laboratory, together with possible assignment to investigate problems.

NEUROANATOMY... This course, given by Dr. Louis Hausman, will cover the development and anatomy of the nervous system and laboratory work on the reconstruction of the nervous system. Each stu-

dent makes his own model. The anatomical background of the diseases of the nervous system is considered. Hours to be arranged with the instructor.

FORENSIC MEDICINE...

(a) *A series of 30 lectures* given by Dr. Milton Helpern. The subject matter is illustrated with material derived from cases investigated by the Office of the Chief Medical Examiner of the Borough of Manhattan.

This course covers the following topics: the obligations and rights of physicians; relations of the physician to government agencies; functions of the office of medical examiner and of coroner; investigation and determination of the cause of sudden, suspicious, and violent deaths; the medicolegal necropsy; identification, signs of death, changes in the body after death; sudden natural death; relationship of disease and trauma; suicidal, accidental, and homicidal violent deaths; blunt force injuries, stab and bullet wounds, traumatic asphyxia, rape, abortion, infanticide; toxicology, especially the indications of poisoning and the selection of organs for chemical analysis; examination of blood stains, seminal stains, and hair, forensic application of blood grouping; occupational injuries and diseases.

Monday afternoon, 5-6 p.m.

(b) *Practical course.* An opportunity will be afforded to learn the circumstances surrounding and to observe at first hand the autopsy findings in numerous and varied cases of sudden, unexpected, suspicious, and violent deaths which are continuously being brought to the attention of the Office of the Chief Medical Examiner of the Borough of Manhattan for investigation.

Course to be given at the City Mortuary, 400 East 29th Street.

Applicants should arrange their time with Dr. Helpern.

OTHER ELECTIVES...

Other special electives may be arranged through conference with the head of the department.

MEDICAL COMPREHENSIVE CARE AND TEACHING PROGRAM

The course in comprehensive medicine occupies the major attention of half of the senior class during each of the two semesters. It is designed as a synthesis of the many disciplines to which the medical student has been exposed and as such may be considered a laboratory course in patient management.

This represents a new departure from the previous fourth year curriculum only in that reorganization of fourth year courses in medicine, pediatrics, preventive medicine, and psychiatry into a continuum of

22½ weeks' duration permits a longer and more adequate study of problems in ambulatory medicine.

Both the Medical and Pediatric Clinics have been designated as Comprehensive Care Clinics in which, through the use of consultants, the diagnosis and treatment of patients will be attempted with minimal referral to other clinics. In this exercise senior students will play an important role. In addition, each student will serve as a family physician to a selected family and will see adult members of the family in the General Medical Clinic and children in the General Pediatric Clinic by appointment. Under appropriate circumstances the student may make supervised house calls on members of his Comprehensive Care family to diagnose and treat illness.

Teaching of preventive medicine will be emphasized through Dr. Harold N. Willard, who will represent the department of public health and preventive medicine in the program.

Emotional aspects of disease will be stressed through the participation of Dr. Francis Kane of the Department of Psychiatry in the care of Comprehensive Care patients. In addition, the student will carry out the treatment of individual psychiatric patients in the Payne Whitney Psychiatric Clinic under the direction of Dr. Francis Hamilton.

Dr. George Holswade of the department of surgery and Dr. Myron Buckman of the department of obstetrics and gynecology will provide appropriate consultation services in their specialties to the Comprehensive Care Clinics.

Part-time electives in medical and pediatric subspecialties, psychiatry, and preventive medicine will be offered each student under the program in addition to the regular clinic work.

Dr. George G. Reader will supervise the program and will be assisted by Dr. Richardson K. Noback of the department of medicine and the staff of the medical outpatient department and by Dr. Florence Marshall of the department of pediatrics and the staff of the pediatric outpatient department.

OBSTETRICS AND GYNECOLOGY

- R. GORDON DOUGLAS, Professor of Obstetrics and Gynecology.
BYRON H. GOFF, Professor of Clinical Obstetrics and Gynecology.
ROY W. BONSNES, Associate Professor of Biochemistry in Obstetrics and Gynecology.
EDWARD H. DENNEN, Associate Professor of Clinical Obstetrics and Gynecology.
CARL T. JAVERT, Associate Professor of Clinical Obstetrics and Gynecology.
HOWARD S. McCANDLISH, Associate Professor of Clinical Obstetrics and Gynecology.
CHARLES M. McLANE, Associate Professor of Clinical Obstetrics and Gynecology.
JOSEPH N. NATHANSON, Associate Professor of Clinical Obstetrics and Gynecology.
FRANK R. SMITH, Associate Professor of Clinical Obstetrics and Gynecology.
WILLIAM H. CARY, Assistant Professor of Clinical Obstetrics and Gynecology.
JOHN T. COLE, Assistant Professor of Clinical Obstetrics and Gynecology.
ROBERT L. CRAIG, Assistant Professor of Clinical Obstetrics and Gynecology.
WILLIAM F. FINN, Assistant Professor of Clinical Obstetrics and Gynecology.
RALPH W. GAUSE, Assistant Professor of Clinical Obstetrics and Gynecology.
RANDOLPH GEFFERT, Assistant Professor of Clinical Obstetrics and Gynecology.
WILLIAM P. GIVEN, Assistant Professor of Clinical Obstetrics and Gynecology.
OSCAR GLASSMAN, Assistant Professor of Clinical Obstetrics and Gynecology.
ARTHUR V. GREELEY, Assistant Professor of Clinical Obstetrics and Gynecology.
W. HALL HAWKINS, Assistant Professor of Clinical Obstetrics and Gynecology.
DONALD G. JOHNSON, Assistant Professor of Clinical Obstetrics and Gynecology.
ELMER E. KRAMER, Assistant Professor of Clinical Obstetrics and Gynecology.
CURTIS L. MENDELSON, Assistant Professor of Clinical Obstetrics and Gynecology.
MEYER ROSENTOHN, Assistant Professor of Clinical Obstetrics and Gynecology.
NELSON B. SACKETT, Assistant Professor of Clinical Obstetrics and Gynecology.
THOMAS L. BALL, Instructor in Obstetrics and Gynecology.
PERRY S. BOYNTON, JR., Instructor in Obstetrics and Gynecology.
MYRON I. BUCHMAN, Instructor in Obstetrics and Gynecology.
CHRISTIAN DeWINTER, Instructor in Obstetrics and Gynecology.
HUGH HALSEY, Instructor in Obstetrics and Gynecology.
ANN P. KENT, Instructor in Obstetrics and Gynecology.
ROBERT LANDESMAN, Instructor in Obstetrics and Gynecology.
VIRGINIA K. PIERCE, Instructor in Obstetrics and Gynecology.
GEORGE SCHAEFER, Instructor in Obstetrics and Gynecology.
CHARLES T. SNYDER, Instructor in Obstetrics and Gynecology.
EDWARD F. STANTON, Instructor in Obstetrics and Gynecology.
STANLEY J. BIRNBAUM, Assistant in Obstetrics and Gynecology.
WILLIAM H. BURKE, Assistant in Obstetrics and Gynecology.
WILLIAM DAVIS, Assistant in Obstetrics and Gynecology.
THOMAS F. DILLON, Assistant in Obstetrics and Gynecology.

IRVING H. DREISHPOON, Assistant in Obstetrics and Gynecology.
SAMUEL I. ETZ, Assistant in Obstetrics and Gynecology.
WILLIAM D. McLARN, Assistant in Obstetrics and Gynecology.
FRANCIS X. MOFFITT, Assistant in Obstetrics and Gynecology.
KENNETH G. NICKERSON, Assistant in Obstetrics and Gynecology.
ERWIN FLETCHER SMITH, Assistant in Obstetrics and Gynecology.
WILLIAM J. SWEENEY, Assistant in Obstetrics and Gynecology.
E. HENRY VALENTINE, Assistant in Obstetrics and Gynecology.
JEROME A. WEINBAUM, Assistant in Obstetrics and Gynecology.

The Lying-In Hospital, a division of the New York Hospital, provides 116 pavilion beds for teaching purposes in obstetrics and gynecology. In addition, the private service consists of a total of 91 beds. Students are given practical instruction in the outpatient department clinics of both obstetrics and gynecology and in the various special clinics operated for the more intensive study and care of patients with unusual problems. The students are given every opportunity to benefit from the clinical work as carried on and demonstrated on the wards and in the operating and delivery rooms.

There are approximately 5,000 admissions to the obstetrical service and about 2,000 to the gynecological service each year.

THIRD YEAR

COURSE I. THE THEORY AND PRINCIPLES OF OBSTETRICS AND GYNECOLOGY . . . The content of this course consists of lectures and demonstrations covering the anatomy and physiology of the female reproductive system; the physiology and pathology of pregnancy, labor, and puerperium; and the etiology, pathology, and diagnosis of the diseases of the pelvic structures.

The entire class meets for these sessions on Tuesdays and Saturdays 12-1 p.m. throughout the year. Professors Douglas, Javert, Finn, Johnson, McLane, and staff. Total hours, 66.

COURSE II. PRACTICAL INSTRUCTION . . . This work is given to one-sixth of the class for periods of one-half of a trimester (5½ weeks) on Tuesdays and Thursdays 9-11 a.m. The course deals especially with abdominal palpation, pelvic examination, and manikin exercises. Professors Douglas, Dennen, Kramer, and staff.

COURSE III. SEMINAR . . . Tuesdays and Thursdays 11-12 a.m. Professors Douglas, Given, Johnson, Kramer, and staff.

COURSE IV. PRACTICAL DEMONSTRATION . . . This course comprises instruction in obstetrical and gynecological bacteriology and pathology. A considerable amount of this time is used in the study of pelvic neoplasms. Mondays 9-12 a.m. for one trimester. Professors Douglas, Javert, Finn, Ball, and staff. Total hours, 66 for Courses II, III, and IV.

FOURTH YEAR

MAJOR PRACTICAL OBSTETRICS AND GYNECOLOGY... This course comprises practical work in obstetrics and gynecology and is the sequel to the theoretical instruction offered to the third year students. Each student will live in the Lying-In Hospital for a period of 7½ weeks during which time he will act as a clinical assistant to the obstetrical and gynecological departments, hospital wards, delivery and operating rooms, and clinics. He will be provided with sleeping accommodations but not with board.

The practical work includes the prenatal care of many patients, attending them in labor and delivery as well as following them throughout the course of the puerperium. Facilities are also provided for the student to examine gynecological patients and to observe these patients through diagnostic and therapeutic procedures.

Because of the nature of the service, night and week-end work is required. Minimum hours allotted to the course, 264.

ELECTIVE COURSES

PRACTICAL OBSTETRICS AND GYNECOLOGY... A certain number of students will be accepted to serve as assistants in the clinic.

Courses can be arranged in the chemical, bacteriological, and pathological laboratories for the study of specific research problems. The special clinics provide teaching facilities for clinical investigation in carcinoma, endocrinology, heart disease, X-ray pelvimetry, infertility, and other allied sciences. The various rounds and staff conferences can be attended.

Encouragement is given original work according to the departmental facilities and the student's capabilities and in general will be designed to meet the student's qualifications.

PATHOLOGY

JOHN G. KIDD, Professor of Pathology.
JOHN M. PEARCE, Professor of Pathology.
LEWIS D. STEVENSON, Associate Professor of Pathology.
JOHN T. ELLIS, Assistant Professor of Pathology.
AARON KELLNER, Assistant Professor of Pathology.
CHARLES T. OLCOTT, Assistant Professor of Pathology.
F. STEPHEN VOGEL, Assistant Professor of Pathology.
GOETZ W. RICHTER, Research Associate in Pathology.
CLAUDE IAN HOOD, Instructor in Pathology.
MARTHA K. CAIRES, Assistant in Pathology.
ARTHUR S. CARLSON, Assistant in Pathology.
ROBERT HAUSMAN, Assistant in Pathology.
CHIEN-YUAN KAO, Assistant in Pathology.
CAREY STANTON, Assistant in Pathology.
GORDON J. STOPPS, Assistant in Pathology.
DAVID STUBINGTON, Assistant in Pathology.

PAUL F. DE GARA, Lecturer in Pathology.
JULES FREUND, Lecturer in Pathology.
MILTON HELPERN, Lecturer in Pathology.
THEODORE ROBERTSON, Lecturer in Pathology.

GENERAL PATHOLOGY

FACILITIES . . . The department of pathology occupies three floors of the central part of the College building, conveniently located above the library and in immediate contact with the Hospital, the autopsy room being in the connecting wing between College and Hospital. The teaching is largely concentrated on the third floor, where the autopsy room, demonstration room for pathological anatomy, anatomical museum, and classrooms are found. The fourth and fifth floors are chiefly unit laboratories for staff members and graduate students and for technical preparation. In addition, animal quarters and facilities for experimental work are on the fifth, sixth, and seventh floors.

The museum contains a carefully selected collection of specimens, representing most of the common and many of the more unusual pathological lesions. It is especially rich in lesions of bones and in tumors. In addition to this mounted collection, there is available a very considerable amount of constantly changing gross material for student study.

The postmortem service of the New York Hospital affords abundant opportunity for study of pathological anatomy and its relation to clinical medicine. The systematic records of autopsies performed at the New York Hospital have been preserved since 1851, and in recent years protocols and microscopic slides have been carefully indexed and filed.

INSTRUCTION . . . The course of instruction is given in the second and third terms of the second year. Gross and histological lesions are studied and their pathogenesis and correlation with disturbed function is considered. Lectures and classroom demonstrations are supplemented by studies at the autopsy table. The course begins with the degenerations, inflammation, and repair and proceeds with the various specific infections and tumors. The latter part of the course is devoted to special systematic pathology including an introduction to neuropathology.

GENERAL AND SPECIAL PATHOLOGY . . . Required in the second and third terms of the second year.

Professors Kidd, Pearce, Olcott, and staff. 275 hours.

NEUROPATHOLOGY . . . The pathology of the nervous system is studied, and altered structure and function are correlated. Professor Stevenson. 33 hours.

CLINICAL PATHOLOGICAL CONFERENCES . . . These conferences are held in cooperation with the staffs of the clinical departments of the Hospital and Medical College each week throughout the year. Observations concerning the clinical course and diagnosis of diseases are correlated with changes found at autopsy.

ELECTIVE COURSES

A student may undertake the investigation of some problem in pathology or may pursue advanced courses in any of several fields to be determined by consultation with the head of the department. Research or elective courses will ordinarily require the entire time of the student for a period of one to three months, and may be continued into the summer.

PEDIATRICS

SAMUEL Z. LEVINE, Professor of Pediatrics.
MAY G. WILSON, Professor of Clinical Pediatrics.
ARTHUR F. ANDERSON, Associate Professor of Clinical Pediatrics.
HENRY L. BARNETT, Associate Professor of Pediatrics.
HAROLD W. K. DARGEON, Associate Professor of Clinical Pediatrics.
HENRY D. LAUSON, Associate Professor of Physiology in Pediatrics.
CARL H. SMITH, Associate Professor of Clinical Pediatrics.
PHILIP M. STIMSON, Associate Professor of Clinical Pediatrics.
HAROLD B. ADAMS, Assistant Professor of Clinical Pediatrics.
LEONA BAUMGARTNER, Assistant Professor of Clinical Pediatrics.
SAMUEL R. BERENBERG, Assistant Professor of Clinical Pediatrics.
CLEMENT B. P. COBB, Assistant Professor of Clinical Pediatrics.
MARGARET DANN, Assistant Professor of Pediatrics.
PAUL F. DE GARA, Assistant Professor of Clinical Pediatrics in Allergy.
ROBERT O. DuBOIS, Assistant Professor of Clinical Pediatrics.
HELENE ELIASBERG, Assistant Professor of Clinical Pediatrics.
NATHAN EPSTEIN, Assistant Professor of Clinical Pediatrics.
LEWIS M. FRAAD, Assistant Professor of Clinical Pediatrics.
JOHN E. FRANKLIN, Assistant Professor of Clinical Pediatrics.
MARTIN J. GLYNN, Assistant Professor of Clinical Pediatrics.
HENRY P. GOLDBERG, Assistant Professor of Clinical Pediatrics.
JAMES Q. HARALAMBIE, Assistant Professor of Clinical Pediatrics.
HELEN HARRINGTON, Assistant Professor of Clinical Pediatrics.
FREDERICK C. HUNT, Assistant Professor of Clinical Pediatrics.
EDMUND N. JOYNER, III, Assistant Professor of Clinical Pediatrics.
HEDWIG KOENIG, Assistant Professor of Clinical Pediatrics.
BARBARA M. KORSCH, Assistant Professor of Pediatrics.
MILTON I. LEVINE, Assistant Professor of Clinical Pediatrics.
MARY E. MERCER, Assistant Professor of Pediatrics in Psychiatry.
CHARLES H. O'REGAN, Assistant Professor of Clinical Pediatrics.
LOUIS E. WEYMULLER, Assistant Professor of Clinical Pediatrics.
MARJORIE A. WHEATLEY, Assistant Professor of Clinical Pediatrics.
OTTO E. BILLO, Instructor in Pediatrics.
WALTER T. CARPENTER, Jr., Instructor in Pediatrics.
MURRAY DAVIDSON, Instructor in Pediatrics.
MARY A. ENGLE, Instructor in Pediatrics.
MARVIN J. GERSH, Instructor in Pediatrics.
HELEN N. HELPER, Instructor in Pediatrics.
PHYLLIS H. KOTEN, Instructor in Pediatrics.
FLORENCE N. MARSHALL, Instructor in Pediatrics.
MARION McILVEEN, Instructor in Pediatrics.
ROWLAND L. MINDLIN, Instructor in Pediatrics.
IRVING SCHULMAN, Instructor in Pediatrics.
BEATRICE S. SLATER, Instructor in Pediatrics.
LOIS M. SMEDLEY, Instructor in Pediatrics.
MARTHA L. SMITH, Instructor in Pediatrics.
MAXWELL STILLERMAN, Instructor in Pediatrics.
DORIS S. WHITNEY, Instructor in Pediatrics.
STANLEY S. ZIPSER, Instructor in Pediatrics.
JEAN T. BEASLEY, Fellow in Pediatrics.
HEINZ F. EICHENWALD, Assistant in Pediatrics.

MARION E. ERLANDSON, Assistant in Pediatrics.
MARGARET M. KUGLER, Assistant in Pediatrics.
HENRY H. PRIDE, Assistant in Pediatrics.
LAWRENCE T. TAFT, Assistant in Pediatrics.
JANE E. WELLEMEYER, Assistant in Pediatrics.
HELEN McNAMARA, Research Assistant in Pediatrics.
ELIZABETH V. NEW, Research Assistant in Pediatrics.

THIRD YEAR . . . A clinical lecture once a week throughout the entire school year presents the subjects of normal growth and development in infants and children, principles of nutrition with their application to infant feeding, and patients illustrating the peculiarities of disease in early life. Students serve as clinical clerks in pediatrics for a period of five and one-half weeks on the pavilions of the New York Hospital. They are assigned new cases in rotation and gain experience in the management of sick children requiring hospital residence. They are on duty in rotation at night and week ends. The work of the clinical clerkship includes attendance at well-baby and prophylactic clinics, rounds, and seminars. Instruction in contagious diseases is given at the Willard Parker Hospital. Total hours, 165.

FOURTH YEAR . . . The clinical lectures are continued through part of the fourth year. Students are assigned to the outpatient department in the mornings where they are given, under supervision, responsibility for the management of ambulatory pediatric patients. They take histories, make physical examinations, and prescribe treatment. A daily therapeutic conference supplements the clinical work. A series of seminars for case presentation will be held under the supervision of senior staff members. An effort is made to bring back to the outpatient department certain patients seen by the students in their third year for follow-up during their fourth year term in pediatrics. Emphasis is placed on the handling of psychosomatic problems and on the measures which can be taken to promote proper growth and development. Students will be given the opportunity for longitudinal follow-up on individual patients so as to become familiar with normal growth and development of infants and children and the natural history of disease processes. Home visits and trips to inspect community resources will be planned in relation to patient referrals so as to furnish students with understanding of home and community influences on the patient. Students will be assigned to the well-baby clinic. Cooperation with the Department of Obstetrics will make possible contacts with mothers during the *ante partum* and lying-in period. Total hours, 66.

ELECTIVE COURSES

Elective courses are open to fourth year students. These include the general pediatric clinic, emergency unit, some special pediatric clinics, afternoon seminars, nursery school experience, and research. Substitute internships are offered at times during the year.

PHARMACOLOGY

McKEEN CATTELL, Professor of Pharmacology.
HARRY GOLD, Professor of Clinical Pharmacology.
WALTER F. RIKER, Jr., Associate Professor of Pharmacology.
JANET TRAVELL, Associate Professor of Clinical Pharmacology.
THEODORE H. GREINER, Assistant Professor of Clinical Pharmacology.
CHARLES J. KENSLER, Assistant Professor of Pharmacology.
WALTER MODELL, Assistant Professor of Clinical Pharmacology.
FRANK C. FERGUSON, Jr., Instructor in Pharmacology.
SOLOMON GARB, Instructor in Pharmacology.
NATHANIEL T. KWIT, Instructor in Pharmacology.
GEORGE C. READER, Instructor in Pharmacology (Therapeutics).
JOSEPH F. REILLY, Instructor in Pharmacology.
SEYMOUR H. RINZLER, Instructor in Pharmacology.

EXPERIMENTAL PHARMACOLOGY . . . Laboratory work, demonstrations, conferences, and lectures given during the first term of the second year. The experiments are designed to illustrate a wide range of pharmacologic effects, the more important drugs being considered with reference to their action on different structures and their behavior in the organism. In conference, the laboratory data obtained by the class are assembled and discussed in relation to each other and to experiments reported in the literature. This course also includes elementary pharmacy and toxicology, with a consideration of crude drugs, practice in the making of pharmacopoeial preparations, and toxicological analysis. 121 hours.

APPLIED PHARMACOLOGY . . . This course is given during the third trimester of the second year and is a continuation of the course in experimental pharmacology. It is intended to fill a gap between experimental pharmacology and the clinical use of drugs, and it deals with substances the pharmacological action of which can best be demonstrated on clinical material. This course includes practice in prescription writing. Emphasis is placed on evidence bearing directly on the human subject in health and diseases. 22 hours.

ELECTIVE COURSES

CONFERENCES ON THERAPY . . . Weekly informal conferences on treatment arranged by the departments of pharmacology and medicine in collaboration with other departments. These serve as a forum for the exchange of views and evaluation of evidence concerning drugs and other measures used in the treatment of disease, with open discussion by students, members of the College and Hospital staff, and visitors.

RESEARCH . . . Arrangements are made for individuals or groups to participate in original investigations with a view to learning the methods of pharmacological research. Special opportunities are afforded for work on enzyme systems, muscle-nerve, autonomic nervous system, and the cardiovascular system.

PHYSIOLOGY AND BIOPHYSICS

ROBERT F. PITTS, Professor of Physiology.
JAMES D. HARDY, Associate Professor of Physiology.
HENRY D. LAUSON, Associate Professor of Physiology.
RICHARD W. LAWTON, Assistant Professor of Physiology.
JOHN MacLEOD, Assistant Professor of Physiology.
ROY C. SWAN, Instructor in Physiology.
DAVID D. THOMPSON, Instructor in Physiology.
PHILIP J. DORMAN, Fellow in Physiology.
MARTIN LIPKIN, Fellow in Physiology.
MELVILLE G. MAGIDA, Fellow in Physiology.
W. JAMES SULLIVAN, Fellow in Physiology.
MARTHA J. BARRETT, Assistant in Physiology.
ALICE M. STOLL, Assistant in Physiology.
ROBERT A. WOLBACH, Assistant in Physiology.

FIRST YEAR . . . Lectures, conferences, laboratory experiments, and demonstrations. Physiology of muscle and nerve, gland secretion, digestion, the central nervous system, special senses, and endocrine organs. The laboratory work one full day a week includes experiments on these subjects. 110 hours.

SECOND YEAR . . . Lectures, conferences, laboratory experiments, and demonstrations. Physiology of respiration, blood, heart, circulation, kidney, and metabolism. Laboratory exercises one full day a week. 121 hours.

The course of instruction in physiology is directed toward an understanding of the principles involved in the functioning of the human body and the integration of its various systems. The lectures are supplemented by references to the current literature. The department is fortunate in having housed on the fourth floor of its building the Graham Lusk Library of Physiology, a gift to the department from its late Professor Graham Lusk. This includes bound volumes of complete sets of the important physiological and biochemical literature, monographs, handbooks, and textbooks, and is being supplemented by some of the current journals and monographs. In addition to the College library, the facilities of this library are at the disposal of the students of medicine.

The laboratory work includes a number of human experiments, emphasizes mammalian physiology, and is directed toward quantitative determinations. The laboratory experiments are chosen to illustrate fundamental principles in the respective fields of physiology and are correlated with lectures by means of conferences. The demonstrations include instruction in specialized techniques, experimental preparations, and presentation of clinical cases. These are facilitated by the participa-

tion and cooperation of staff members of various departments in the Medical College and the New York Hospital.

ELECTIVE COURSES

The department will arrange a schedule of work for fourth year students who wish to devote their elective time to physiology.

COURSES OPEN TO SPECIAL STUDENTS

1. *PHYSIOLOGY*. Fee, \$100 for each term.
2. *PHYSIOLOGICAL RESEARCH*. Subject to special arrangement with head of the department.

PSYCHIATRY

OSKAR DIETHELM, Professor of Psychiatry.
PHYLLIS GREENACRE, Professor of Clinical Psychiatry.
THOMAS A. C. RENNIE, Professor of Psychiatry (Social Psychiatry).
CARL A. BINGER, Associate Professor of Clinical Psychiatry.
J. LOUISE DESPERT, Associate Professor of Clinical Psychiatry.
WILLIAM H. DUNN, Associate Professor of Clinical Psychiatry.
GEORGE W. HENRY, Associate Professor of Clinical Psychiatry.
ADE T. MILHORAT, Associate Professor of Medicine in Psychiatry.
JAMES H. WALL, Associate Professor of Clinical Psychiatry.
LIVINGSTON WELCH, Associate Professor of Psychology.
HAROLD G. WOLFF, Associate Professor of Psychiatry.
ALAN W. FRASER, Assistant Professor of Clinical Psychiatry.
FRANCIS J. HAMILTON, Assistant Professor of Clinical Psychiatry.
RICHARD L. HARRIS, Assistant Professor of Clinical Psychiatry.
GERALD R. JAMEISON, Assistant Professor of Clinical Psychiatry.
SEYMOUR G. KLEBANOFF, Assistant Professor of Psychology.
RICHARD N. KOHL, Assistant Professor of Psychiatry.
NORVELLE C. LAMAR, Assistant Professor of Clinical Psychiatry.
ALEXANDER H. LEIGHTON, Assistant Professor of Clinical Psychiatry.
MARY E. MERCER, Assistant Professor of Pediatrics in Psychiatry.
CURTIS T. PROUT, Assistant Professor of Clinical Psychiatry.
FRED V. ROCKWELL, Assistant Professor of Clinical Psychiatry.
JOHN H. TRAVIS, Assistant Professor of Clinical Psychiatry.
JAMES S. TYHURST, Assistant Professor of Clinical Psychiatry.
EXIE E. WELSCH, Assistant Professor of Clinical Psychiatry.
HARRY ALPERT, Research Associate in Psychiatry.
MILTON FARBER, Research Associate in Biochemistry.
ANNE MILMAN, Research Associate in Biochemistry.
EMIL OBERHOLZER, Research Associate in Psychiatry.
EDWARD B. ALLEN, Instructor in Psychiatry.
VALER BARBU, Instructor in Psychiatry.
JULIAN I. BARISH, Instructor in Psychiatry.
SARA A. BONNETT, Instructor in Psychiatry.
ALBERT N. BROWNE-MAYERS, Instructor in Psychiatry.
A. LOUISE BRUSH, Instructor in Psychiatry.
HOWARD N. COOPER, Instructor in Psychiatry.
JOHN M. COTTON, Instructor in Psychiatry.
ELEANOR CRISSEY, Instructor in Psychiatry.
HELEN DANIELLS, Instructor in Psychiatry.
M. FREILE FLEETWOOD, Instructor in Psychiatry.
MARTIN J. GERSON, Instructor in Psychiatry.
STEPHEN GOODYEAR, Instructor in Psychiatry.
DONALD C. GREAVES, Instructor in Psychiatry.
THOMAS F. HENLEY, Instructor in Psychiatry.
FRANCIS D. KANE, Instructor in Psychiatry.
PRICE A. KIRKPATRICK, Instructor in Psychiatry.
CHARLES A. KNEHR, Instructor in Psychology.
HELEN P. LANGNER, Instructor in Psychiatry.
LEON L. RACKOW, Instructor in Psychiatry.

ARNOLD A. SCHILLINGER, Instructor in Psychiatry.
MARY J. SHERFEY, Instructor in Psychiatry.
ALBERT C. SHERWIN, Instructor in Psychiatry.
DONALD J. SIMONS, Instructor in Psychiatry.
LEONARD R. STRAUB, Instructor in Psychiatry.
JOSEPH D. SULLIVAN, Instructor in Psychiatry.
HANS SYZ, Instructor in Psychiatry.
WILLIAM D. VOORHEES, Instructor in Psychiatry.
MORTON WADSWORTH, Instructor in Psychiatry.
NATHANIEL WARNER, Instructor in Psychiatry.
FREDERICK J. WERTZ, Instructor in Psychiatry.
WALTER D. WOODWARD, Instructor in Psychiatry.
HAROLD S. WRIGHT, Instructor in Psychiatry.
IRWIN M. WEINSTOCK, Research Fellow in Biochemistry.
I. WILLIAM BRILL, Assistant in Psychiatry.
ALEXANDER CARLEN, Assistant in Psychiatry.
ERIC T. CARLSON, Assistant in Psychiatry.
EDWARD V. EVARTS, Assistant in Psychiatry.
JOHN GUSSEN, Assistant in Psychiatry.
LAWRENCE J. HATTERER, Assistant in Psychiatry.
WALTER W. KEMP, Assistant in Psychiatry.
GUY Y. LAROCHELLE, Assistant in Psychiatry.
JOHN F. McGRATH, Assistant in Psychiatry.
PETER F. OSTWALD, Assistant in Psychiatry.
ROBERT E. PECK, Assistant in Psychiatry.
SHIRLEY SCHAFFER, Assistant in Psychiatry.
JOSEPH S. WIELAWSKI, Assistant in Psychiatry.

The department of psychiatry offers instruction during each of the four years. The understanding of development of the normal personality forms a necessary basis for future clinical training. A course in psychopathology in the second year orients the student in personality disorders and in the methods of their examination and study. In the third year, this preliminary training is utilized in the study of patients at the Payne Whitney Psychiatric Clinic and on the pavilions of the New York Hospital. In the psychiatric outpatient department, during the fourth year, the student participates in the study and treatment of the diverse problems presenting themselves in general psychiatric practice. The importance of personality problems in general medicine is taught in the pavilions of the New York Hospital and in the outpatient service of the Payne Whitney Psychiatric Clinic. Clinics are planned to unify these many activities and to offer in addition a broad understanding of treatment and investigation.

FIRST YEAR: PERSONALITY DEVELOPMENT . . . This course acquaints the student with the development and methods of study of the normal personality. Lectures, seminars, and selected films are utilized in presenting a dynamic orientation to the formation of personality from infancy through senescence. The significance of interpersonal relations is stressed, with particular emphasis on the patient-physician relationship.

Psychological, physiological, and sociological factors are considered. Total hours, 22.

SECOND YEAR: PSYCHOPATHOLOGY AND METHODS OF EXAMINATION . . . The outstanding psychopathological phenomena are demonstrated and their psychodynamics studied by the students on patients in the outpatient department of the Payne Whitney Psychiatric Clinic and at the Manhattan State Hospital. This course offers practical experience in interviewing and history taking and in the methods of psychiatric examination. Total hours, 33.

THIRD YEAR: CLINICAL PSYCHIATRY . . . In the inpatient department of the Payne Whitney Psychiatric Clinic various psychiatric illnesses are presented; in the medical and surgical pavilions of the New York Hospital, patients are studied in whom psychological and psychopathological factors are important. Total hours, 33.

FOURTH YEAR: CLINICAL PSYCHIATRY . . . In this course in the outpatient department of the Payne Whitney Psychiatric Clinic, the student carries out the treatment of individual patients. This course offers an opportunity to learn psychotherapy under close supervision and to understand the role of psychiatric social service and of psychological studies in the adjustment of these patients. Clinics with case presentation, with emphasis on psychiatric treatment and review of literature, are given on Wednesday from 2 to 3 o'clock. Seminars deal with the psychopathology of childhood and the management of related difficulties. Total hours, 99.

ELECTIVE WORK

Opportunities for elective work are provided in the outpatient department and in the laboratories of the Payne Whitney Psychiatric Clinic and at the Westchester Division of the New York Hospital, White Plains, N.Y.

PUBLIC HEALTH AND PREVENTIVE MEDICINE

- WILSON G. SMILLIE, Professor of Public Health and Preventive Medicine.
EMERSON DAY, Associate Professor of Clinical Public Health and Preventive Medicine.
MORTON C. KAHN, Associate Professor of Public Health and Preventive Medicine.
LEONA BAUMGARTNER, Assistant Professor of Public Health and Preventive Medicine.
SAMUEL R. BERENBERG, Assistant Professor of Clinical Public Health and Preventive Medicine.
BEATRICE B. BERLE, Assistant Professor of Clinical Public Health and Preventive Medicine.
IRWIN D. J. BROSS, Assistant Professor of Public Health and Preventive Medicine (Vital Statistics).
AARON D. CHAVES, Assistant Professor of Clinical Public Health and Preventive Medicine.
HERBERT R. EDWARDS, Assistant Professor of Public Health and Preventive Medicine.
FRANKLIN M. FOOTE, Assistant Professor of Public Health and Preventive Medicine.
ANN P. KENT, Assistant Professor of Public Health and Preventive Medicine.
PHILIP OLLSTEIN, Assistant Professor of Clinical Public Health and Preventive Medicine.
WILLIS M. WEEDEN, Assistant Professor of Public Health and Preventive Medicine.
HAROLD N. WILLARD, Assistant Professor of Public Health and Preventive Medicine.
NINE CHOUCROUN, Research Associate in Public Health and Preventive Medicine.
BERNARD D. DAVIS, Research Associate in Public Health and Preventive Medicine.
HUGH R. DEHAVEN, Research Associate in Public Health and Preventive Medicine.
DANIEL A. ALVAREZ, Instructor in Public Health and Preventive Medicine.
FRANCES H. BOGATKO, Instructor in Public Health and Preventive Medicine.
JAMES H. EWING, Instructor in Public Health and Preventive Medicine.
THOMAS G. RIGNEY, Instructor in Public Health and Preventive Medicine.
WALTER D. WOODWARD, Instructor in Public Health and Preventive Medicine.

SECOND YEAR: PARASITOLOGY . . . This course is assigned to the department of public health and preventive medicine because the major interests of several members of the staff lie in the field of tropical medicine. Furthermore, the preventive aspects of diseases that are produced by parasites are of paramount importance in the control of these infections.

The course is given each Thursday afternoon during the first trimester

of the second year. The lectures are given from 2 to 3 and the laboratory work from 3 to 5 p.m.

The important parasites of man are considered: the mode of transmission of each parasite is studied, as well as the life cycle and intermediate hosts. Particular emphasis is placed on the clinical aspects of the various diseases that may be produced by the parasites. Prevention and control of human parasitic diseases are given proper consideration, and the therapy of these conditions is discussed carefully.

An abundance of material is used for demonstration purposes. Many of the parasites are studied in living stages. Clinical cases of the various diseases under study are presented from the hospital wards, outpatient clinics, and elsewhere, whenever suitable material is available. Total hours, 33.

SECOND YEAR: PUBLIC HEALTH . . . The course in public health begins in the second term of the second year. It is an introductory course in environmental sanitation, industrial hygiene, vital statistics, and the principles of public health. The students are assigned to this work every Monday afternoon for approximately eleven exercises. Laboratory assignments and field exercises make up the major part of the work. The essential material covered in this term relates to community health protection, including the control of water supplies, sewage disposal, and the sanitation of food. Housing is studied in relation to its various social and hygienic aspects, as well as air-borne infection and the problems of industrial hygiene. Four afternoons are devoted to vital statistics, including a consideration of the methods of statistical analysis and interpretation; three afternoons are devoted to health promotion of the industrial worker. Field visits are made, usually in small groups, to demonstrate industrial sanitation, housing, the New York City Health Department's diagnostic laboratory service, and other pertinent matters. Total hours, 33.

THIRD YEAR: PREVENTIVE MEDICINE . . . Students are divided into small groups of about twelve each. These students are assigned to the department of preventive medicine every Friday all day for a five to six week period. The sections are subdivided into groups of about four students. These groups are then assigned to section work in the various activities of the Kips Bay-Yorkville Health Center. In addition, the students are given a full day's session with the Department of Workmen's Compensation and one half-day session at the Strang Cancer Prevention Clinic at Memorial Hospital. Each Friday at noon throughout the year the whole class assembles for a lecture or discussion. The subject matter of these exercises has, for the most part, been prepared by and is presented by the students themselves. Total lectures and discussions, 33 hours; total section work, 33 hours.

FAMILY HEALTH ADVISERS . . . A student may elect to serve as a "Family Health Adviser." Each of these students is assigned a family from the clientele of the New York Hospital. Under careful guidance, over a period of two years, he becomes the confidential adviser to the family on health matters. He observes the economic and social status of the family, their housing and nutrition. As opportunity offers, he aids the family in the utilization of the community resources that may be available to meet the family health needs.

COMMUNITY STUDY . . . If the student prefers, he may select a "Community Study" instead of an assignment as Family Health Adviser. This study consists of a report upon a community of his own choice, giving in detail the facilities provided by the community for care of illness and protection of community health. This report includes not only the activities of the community health and welfare departments, but also the hospital facilities, medical, nursing, and dental personnel, and all other phases of community activities that aid in providing adequate medical care.

FOURTH YEAR: The teaching of preventive medicine in the fourth year is incorporated in the new plan for instruction of students in Comprehensive Medical Care. This program is under the leadership of the department of medicine. One member of the staff of public health and preventive medicine is assigned to the project, and it will be his function to aid in instruction concerning the incorporation of preventive medicine in clinical practice.

ELECTIVE COURSES

PREVENTIVE MEDICINE . . . An elective course is offered to students in the fourth year. Not more than four students will be accepted for any one period. Students will be assigned to the Kips Bay-Yorkville District Health Center and will participate in the various clinical and research activities of the Center.

MEDICAL PARASITOLOGY . . . This course is intended to supplement and extend the required work in this field. Diagnosis, life histories of parasites and their vectors, and control measures are considered with special reference to tropical medicine.

The department has been the recipient of the Marcelle Fleischmann Memorial Fund for the study of immunologic and allergic phenomena in tropical diseases. Third or fourth year students may associate themselves with one of the several research projects being carried out under this grant.

RADIOLOGY

JOHN A. EVANS, Associate Professor of Radiology and Radiologist-in-Chief.
HAROLD L. TEMPLE, Professor of Clinical Radiology.
SYDNEY WEINTRAUB, Professor of Clinical Radiology.
RALPH F. PHILLIPS, Associate Professor of Radiology.
ROBERT S. SHERMAN, Associate Professor of Radiology.
HARRY W. BURNETT, Assistant Professor of Radiology.
ELIZABETH F. FOCHT, Assistant Professor of Radiology (Physics).
GEORGE JASPIN, Assistant Professor of Clinical Radiology.
T. ARTHUR PEARSON, Assistant Professor of Clinical Radiology.
ISRAEL STEINBERG, Assistant Professor of Clinical Radiology (Medicine).
STEPHEN WHITE, Assistant Professor of Clinical Radiology.
EDUARDO CACERES, Instructor in Radiology.
FLORENCE CHIEN-HWA CHU, Instructor in Radiology.
ANDRE S. CAPIDAGLIS, Instructor in Radiology.
HERBERT G. KANTOR, Instructor in Radiology.
ALFRED W. KANY, Instructor in Radiology.
JOHN L. McCLENAHAN, Instructor in Radiology.
IRVING SCHWARTZ, Instructor in Radiology.
HENRY M. SELBY, Instructor in Radiology.
JOHN J. SNODGRASS, Instructor in Radiology.
RUTH E. SNYDER, Instructor in Radiology.
JAMES M. KEEGAN, Assistant in Radiology.
MARTIN S. WETCHLER, Assistant in Radiology.
KENT F. WESTLEY, Assistant in Radiology.

The teaching of radiology is conducted by didactic lectures, by section work with smaller groups in connection with clinical clerkships, and by presentation of the X-ray aspects of various cases at the regular conferences of the clinical departments. Moreover, elective courses given in the fourth year play an important part in supplementing these methods. A large film and lantern slide museum of cases carefully selected for their teaching value has been prepared. This is constantly added to from the abundant material passing through the department. Three floors of the L Building are assigned to X-ray work. In addition, equipment for special examinations is located in the Woman's Clinic, Urology, Psychiatry, and elsewhere in the Medical College and Hospital.

During the first year, in collaboration with the department of anatomy, anatomical structures are visualized by radiographic and roentgenoscopic methods.

The didactic work consists of a series of eleven lectures to the entire second year class. These include the fundamental principles of radiation physics, X-ray diagnosis, and X-ray and radium therapy, with the aim of making the student aware at this stage of the various uses of X-rays. The indications and limitations are stressed.

Section work is conducted in the third year, while the students are

serving as clinical clerks. The departments of medicine, pediatrics, and surgery assign each group receiving instruction from them to the department of radiology for regularly scheduled informal sessions. Specifically related X-ray material is presented and correlated with the clinical and laboratory findings. These sessions total approximately thirty hours.

Twenty lectures on roentgendiagnosis and radiation therapy are given to the fourth year class.

ELECTIVES

FOURTH YEAR . . .

(1) *X-ray Clinical Clerkships.* A limited number of students are accepted to observe, and assist where possible, in the routine activities of the department. The routine includes film interpretations, fluoroscopy, therapeutic irradiation, and attendance at radiology conferences. Two conferences are held daily (L-611) at which time the more interesting diagnostic and therapeutic problems are discussed. One conference is held from 11:15 a.m. to 12:15 p.m. The second session, from 1 p.m. to 2 p.m., is limited to a review of the current examinations of the gastrointestinal tract.

(2) *Technique of Fluoroscopy.* Two hours. Limited to six students. Arrangements to be made through department head.

(3) *Gastrointestinal Fluoroscopy and Film Interpretation.* One month. Limited to six students at any one time. During the period of the elective, the students will be permitted to perform fluoroscopic examinations under supervision. Arrangements to be made through department head.

(4) *Angiocardiography and Cardiac Catheterization.* Individual instruction available for interested students.

SURGERY

FRANK GLENN, Professor of Surgery.
ALEXANDER BRUNSCHWIG, Professor of Clinical Surgery.
GUILFORD S. DUDLEY, Professor of Clinical Surgery.
WILLIAM MACFEE, Professor of Clinical Surgery.
JOHN M. McLEAN, Professor of Clinical Surgery (Ophthalmology).
ARTHUR PALMER, Professor of Clinical Surgery (Otolaryngology).
JOHN M. PEARCE, Professor of Pathology in Surgery.
BRONSON S. RAY, Professor of Clinical Surgery (Neurosurgery).
PHILIP D. WILSON, Professor of Clinical Surgery (Orthopedics).
FRANK E. ADAIR, Associate Professor of Clinical Surgery.
JOSEPH F. ARTUSIO, JR., Associate Professor of Surgery (Anesthesiology).
WILLIAM A. BARNES, Associate Professor of Clinical Surgery.
GEORGE E. BINKLEY, Associate Professor of Clinical Surgery.
CHARLES G. CHILD, III, Associate Professor of Clinical Surgery.
BRADLEY L. COLEY, Associate Professor of Clinical Surgery.
HERBERT CONWAY, Associate Professor of Clinical Surgery (Plastic Surgery).
WILLIAM A. COOPER, Associate Professor of Clinical Surgery.
NELSON W. CORNELL, Associate Professor of Clinical Surgery.
JOHN W. DRAPER, Associate Professor of Clinical Surgery (Urology).
JOHN H. ECKEL, Associate Professor of Clinical Surgery.
KRISTIAN G. HANSSON, Associate Professor of Clinical Surgery (Physical Medicine).
CRANSTON W. HOLMAN, Associate Professor of Clinical Surgery.
FREDERICK L. LIEBOLT, Associate Professor of Clinical Surgery (Orthopedics).
VICTOR F. MARSHALL, Associate Professor of Clinical Surgery (Urology).
HAYES E. MARTIN, Associate Professor of Clinical Surgery.
GERVAIS W. McAULIFFE, Associate Professor of Clinical Surgery (Otolaryngology).
ALLISTER M. McLELLAN, Associate Professor of Clinical Surgery (Urology).
JAMES A. MOORE, Associate Professor of Clinical Surgery (Otolaryngology).
SAMUEL W. MOORE, Associate Professor of Clinical Surgery.
WILLIAM F. NICKEL, JR., Associate Professor of Clinical Surgery.
GEORGE T. PACK, Associate Professor of Clinical Surgery.
RUSSEL H. PATTERSON, Associate Professor of Clinical Surgery.
E. COOPER PERSON, JR., Associate Professor of Clinical Surgery.
RICHMOND STEPHENS, Associate Professor of Clinical Surgery (Orthopedics).
T. CAMPBELL THOMPSON, Associate Professor of Clinical Surgery (Orthopedics).
PRESTON A. WADE, Associate Professor of Clinical Surgery.
LEWIS C. WAGNER, Associate Professor of Clinical Surgery (Orthopedics).
IRVIN BALENSWEIG, Assistant Professor of Clinical Surgery (Orthopedics).
JOHN R. COBB, Assistant Professor of Clinical Surgery (Orthopedics).
ARTHUR D. CONSOLE, Assistant Professor of Clinical Surgery (Neurosurgery).
WILLIAM COOPER, Assistant Professor of Clinical Surgery (Orthopedics).
MICHAEL R. DEDDISH, Assistant Professor of Clinical Surgery.
JAMES A. DINGWALL, III, Assistant Professor of Clinical Surgery.
EDWARD A. DUNLAP, Assistant Professor of Clinical Surgery (Ophthalmology).
GEORGE F. EGAN, Assistant Professor of Clinical Surgery (Dental Surgery).

JOHN T. ELLIS, Assistant Professor of Pathology in Surgery.
JOSEPH H. FARROW, Assistant Professor of Clinical Surgery.
GEORGE A. FIEDLER, Assistant Professor of Clinical Surgery (Urology).
EDGAR L. FRAZELL, Assistant Professor of Clinical Surgery.
HAROLD GENVERT, Assistant Professor of Clinical Surgery.
JOHN C. A. GERSTER, Assistant Professor of Clinical Surgery.
DAN M. GORDON, Assistant Professor of Clinical Surgery (Ophthalmology).
NORMAN L. HIGINBOTHAM, Assistant Professor of Clinical Surgery.
GUSTAVUS A. HUMPHREYS, Assistant Professor of Clinical Surgery (Urology).
D. REES JENSEN, Assistant Professor of Clinical Surgery.
SAMUEL F. KELLEY, Assistant Professor of Clinical Surgery (Otolaryngology).
ERNEST W. LAMPE, Assistant Professor of Clinical Surgery.
FRANK J. MCGOWAN, Assistant Professor of Clinical Surgery.
FREDERICK C. McLELLAN, Assistant Professor of Clinical Surgery (Urology).
GORDON P. McNEER, Assistant Professor of Clinical Surgery.
LAURENCE MISCALL, Assistant Professor of Clinical Surgery (Bellevue).
WARD D. O'SULLIVAN, Assistant Professor of Clinical Surgery.
HERBERT PARSONS, Assistant Professor of Clinical Surgery (Neurosurgery).
ROBERT L. PATTERSON, Assistant Professor of Clinical Surgery (Orthopedics).
JOHN L. POOL, Assistant Professor of Clinical Surgery.
PETER C. RIZZO, Assistant Professor of Clinical Surgery (Orthopedics).
JOHN G. SCHMIDT, Assistant Professor of Clinical Surgery.
STUART S. SNYDER, Assistant Professor of Clinical Surgery (Ophthalmology).
RICHARD B. STARK, Assistant Professor of Clinical Surgery (Plastic Surgery).
JOHN E. SUTTON, Assistant Professor of Clinical Surgery.
NORMAN E. TREVES, Assistant Professor of Clinical Surgery.
FRANCIS P. TWINEM, Assistant Professor of Clinical Surgery (Urology).
F. STEPHEN VOGEL, Assistant Professor of Pathology in Surgery.
WILLIAM L. WATSON, Assistant Professor of Clinical Surgery.
JOHN P. WEST, Assistant Professor of Clinical Surgery.
WILLET F. WHITMORE, JR., Assistant Professor of Clinical Surgery (Urology).
HELENA GILDER, Research Associate in Surgery (Biochemistry).
DOYLE JOSLIN, Research Associate in Surgery (Plastic Surgery).
JACOB APPLEBAUM, Instructor in Surgery.
WILLIAM H. AYRES, Instructor in Surgery.
GEORGE B. BANISTER, Instructor in Surgery.
IRVING BARAS, Instructor in Surgery.
STANLEY J. BEHRMAN, Instructor in Surgery.
ANNE M. BELCHER, Instructor in Surgery.
FRANCIS A. BENEVENTI, Instructor in Surgery.
LEMUEL BOWDEN, Instructor in Surgery.
JOHN J. BOWE, Instructor in Surgery.
CHARLES N. BREED, JR., Instructor in Surgery.
MALCOLM W. BULMER, Instructor in Surgery.
WILLIAM G. CAHAN, Instructor in Surgery.
THOMAS I. CAREY, Instructor in Surgery.
DANIEL CATLIN, Instructor in Surgery.
EDWARD C. COATS, Instructor in Surgery.
ELIZABETH F. CONSTANTINE, Instructor in Surgery.
ALEXANDER CONTE, Instructor in Surgery.
CARLTON M. CORNELL, Instructor in Surgery.
WILLIAM W. DANIEL, Instructor in Surgery.
ROBERT D. DEANS, Instructor in Surgery.

J. EDWIN DREW, Instructor in Surgery.
WADE DULEY, Instructor in Surgery.
HOWARD S. DUNBAR, Instructor in Surgery.
ARMANDO M. ESPINOSA, Instructor in Surgery.
HOLLON W. FARR, Instructor in Surgery.
FRANK W. FARRELL, Instructor in Surgery.
AUSTIN I. FINK, Instructor in Surgery.
EDGAR P. FLEISCHMANN, Instructor in Surgery.
MILTON GABEL, Instructor in Surgery.
THOMAS J. GARRICK, Instructor in Surgery.
JAMES L. GREEN, Instructor in Surgery.
EUGENE J. GUENARD, Instructor in Surgery.
JAMES S. HARRISON, Instructor in Surgery.
CHARLES C. HARROLD, JR., Instructor in Surgery.
BRUCE R. HEINZEN, Instructor in Surgery.
JAMES M. HOLMAN, Instructor in Surgery.
GEORGE R. HOLSWADE, Instructor in Surgery.
RUSSELL H. HOOKER, Instructor in Surgery.
SUZANNE A. L. HOWE, Instructor in Surgery.
FRANK J. HYNES, Instructor in Surgery.
ROBERT A. JOHNSON, Instructor in Surgery.
RICHARD C. KARL, Instructor in Surgery.
JOSEPH T. KAUER, Instructor in Surgery.
EDWARD B. C. KEEFER, Instructor in Surgery.
JAMES T. KELLY, Instructor in Surgery.
JOHN S. LEWIS, Instructor in Surgery.
LUCILE LOSEKE, Instructor in Surgery.
BERNARD MAISEL, Instructor in Surgery.
BENJAMIN E. MARBURY, Instructor in Surgery.
ROY D. McCLURE, JR., Instructor in Surgery.
CHARLES T. MEACHAM, Instructor in Surgery.
LEOPOLD MEHLER, Instructor in Surgery.
CHARLES J. MILLER, Instructor in Surgery.
THEODORE R. MILLER, Instructor in Surgery.
OLIVER S. MOORE, Instructor in Surgery.
JUAN NEGRIN, Instructor in Surgery.
JOHN B. OGILVIE, Instructor in Surgery.
EARL A. O'NEILL, Instructor in Surgery.
ALBERT J. PAQUIN, Instructor in Surgery.
MICHAEL RAPAK, Instructor in Surgery.
ERIC C. RICHARDSON, Instructor in Surgery.
GUY F. ROBBINS, Instructor in Surgery.
ISABEL M. SCHARNAGEL, Instructor in Surgery.
CARL J. SCHMIDLAPP, III, Instructor in Surgery.
DAVID S. SPEER, Instructor in Surgery.
MAUS W. STEARNS, JR., Instructor in Surgery.
LEE R. STRAUB, Instructor in Surgery.
JOHN F. STRUVE, Instructor in Surgery.
H. RANDALL TOLLEFSEN, Instructor in Surgery.
RICHARD C. TROUTMAN, Instructor in Surgery.
GEORGE K. TWEDDEL, Instructor in Surgery.
JEROME A. URBAN, Instructor in Surgery.
FREDERICK VOMSAAL, Instructor in Surgery.
WILLIS M. WEEDEN, Instructor in Surgery.
PAUL C. WETZIG, Instructor in Surgery.

JOSEPH R. WILDER, Instructor in Surgery.
 WILFRED D. WINGEBACH, Instructor in Surgery.
 WILLIAM I. WOLFF, Instructor in Surgery.
 ARMAND ARSENAULT, Assistant in Surgery.
 DAVID BARR, Assistant in Surgery.
 DAVID S. BREEN, Assistant in Surgery.
 McHENRY S. BREWER, Assistant in Surgery.
 MITCHELL BRICE, Assistant in Surgery.
 ROBERT J. BYERS, Assistant in Surgery.
 GEORGE N. CORNELL, Assistant in Surgery.
 DANIEL W. DAVIS, Assistant in Surgery.
 CHARLES F. DYER, Assistant in Surgery.
 THOMAS J. FERRARO, Assistant in Surgery.
 EDWARD A. FREE, Assistant in Surgery.
 JAMES G. GRAY, Assistant in Surgery.
 CHARLES S. HARRISON, Assistant in Surgery.
 DANIEL M. HAYS, Assistant in Surgery.
 ALEXANDER HERSH, Assistant in Surgery.
 JACK HOLDEN, Assistant in Surgery.
 HENRY L. HOOD, Assistant in Surgery.
 THOMAS C. KERNS, JR., Assistant in Surgery.
 JOSEPH P. LABBE, Assistant in Surgery.
 ANTONIO F. LASORTE, Assistant in Surgery.
 JEROME LAWRENCE, Assistant in Surgery.
 VALENTINO D. MAZZIA, Assistant in Surgery.
 ROBERT J. McKENNA, Assistant in Surgery.
 EDWARD W. D. NORTON, Assistant in Surgery.
 S. FRANK REDO, Assistant in Surgery.
 THOMAS D. REES, Assistant in Surgery.
 ROBERT M. SPELLMAN, Assistant in Surgery.
 I. ROBERT SPIER, Assistant in Surgery.
 BJORN THORBJARNARSON, Assistant in Surgery.
 MARJORIE J. TOPKINS, Assistant in Surgery.
 GEORGE E. WANTZ, JR., Assistant in Surgery.
 HOWARD WAY, Assistant in Surgery.
 DONALD L. WEEKS, Assistant in Surgery.
 PHILIP D. WILSON, JR., Assistant in Surgery.

GENERAL SURGERY

SECOND YEAR . . . During the third term of the second year, two hours a week will be devoted to history taking and examination of surgical patients. Total hours, 22.

THIRD YEAR . . . In the third year, students spend the entire time for one term in the outpatient department, both for general surgery and the surgical specialties. During this time they gain experience in history taking, physical examination, diagnostic work-up, and care of outpatients. Here, the students come in contact with patients exhibiting a wide variety of surgical conditions.

During this term, for four mornings and four afternoon sessions in the

diagnostic clinic of general surgery and also in the minor surgery clinic, students work on patients, make differential diagnoses, and formulate treatment in conference with a senior instructor. One lecture each week is devoted to fractures, and, in addition, each student spends one afternoon a week in the fracture clinic. During the week, three conferences with the entire group and a senior instructor are held, at which time selected topics are presented and discussed. A course in operative surgery on animals, designed to emphasize the fundamental principles of surgery, occupies one morning each week.

A surgical clinic is held at the noon hour for students of the third year, throughout the year. A weekly clinic pathological conference is held, attended by both the third and fourth year students. Time, 330 hours.

FOURTH YEAR . . . During the time assigned to surgery in the fourth year, the students spend their entire time on the surgical pavilions as clinical clerks. This allows the opportunity of following each patient to the operating room and also of following specimens in surgical pathology. In conjunction with this, a surgical symposium is held each week, at which time recent advances in surgery are discussed. A conference in surgical pathology is given weekly, in order to correlate all findings in regard to individual patients. One hour each day is devoted to a conference in general surgery or one of the specialties, including neurosurgery, chest surgery, and plastic surgery. Both the third and fourth year classes attend the surgical grand rounds each week. Time, 264 hours.

OPHTHALMOLOGY . . . During the third term of the second year, the entire class receives instruction in microscopy of the eye including the pathology of such important diseases as uveitis, glaucoma, intraocular tumors, tuberculosis, injuries, and sympathetic ophthalmia. Introduction to special diagnosis, techniques, and particularly use of the ophthalmoscope, is given at this time. Total hours, 22.

In the term of the third year assigned to surgery, a series of lectures and clinical demonstrations is held one afternoon a week in which the commoner eye conditions encountered in the outpatient department and on the wards are covered. At the same time each student spends a limited period of time in the Ophthalmological Clinic.

In the term of the fourth year assigned to surgery, the students are rotated in small groups through the outpatient department for examination, diagnosis, and treatment of patients under supervision. This is supplemented by conferences and ward rounds.

ORTHOPEDIC SURGERY . . . During each trimester in surgery of the third year, there is one lecture a week in orthopedic surgery which serves as an introduction to the clinical work on the orthopedic pavilion. Stu-

dents work in the orthopedic outpatient clinic during the entire period of 11 weeks.

In the fourth year a limited number of students serve as clinical clerks on the orthopedic pavilion.

OTOLARYNGOLOGY . . . In the surgical term of the third year, formal clinical lectures are given. The anatomy of the head is reviewed, and instruction in the examination of the ear, nose, and throat is given. Bronchoscopy and rhinoplasty are discussed. Students spend one afternoon each week in the otolaryngological outpatient department and have the opportunity to study cases on the pavilions as well. During this period, special topics are presented to the section by various members of the teaching staff.

Opportunity is offered during the elective term of the fourth year to spend additional time on this subject.

UROLOGY . . . The teaching of urology is carried out by means of lectures and clinics during the surgical term of the third year, at which time patients suffering from a wide variety of urological conditions are presented. The teaching is supplemented by experience in the urological wards and outpatient department.

MILITARY MEDICINE

DONALD G. W. BROOKING, Professor of Military Science and Tactics.

This is an elective course currently offered in seventy-seven medical schools throughout the country under the joint auspices of the U.S. Army and the U.S. Air Force. It is a progressive course extending through the four years and consisting of a one hour period each week and, in addition, one six weeks' summer training camp. Upon graduation from medical college each student who completes the course in military medicine is commissioned a First Lieutenant in the Medical Corps of the U.S. Army Reserve or the U.S. Air Force Reserve.

Any male citizen who meets the physical and other requirements for commission in the Officers' Reserve Corps is eligible for enrollment in the course, and all other medical students are welcome to sit in on classes. Those who have reserve commissions in the Navy, Marine Corps, or Coast Guard may not be enrolled in the Advanced Course, which begins in the junior year, without first resigning such commissions.

There are no financial considerations involved in the Basic Course extending through the freshman and sophomore years, but during the Advanced Course each student is paid a commutation of subsistence amounting to approximately \$265 a year in addition to the pay he receives while in attendance at the summer camp and travel allowances to camp and return. Uniforms are worn only during the period of the Medical ROTC camp.

Military medicine is essentially preventive medicine, and the course is designed to supplement the regular medical curriculum by providing such training as would enable the young physician to take his place and function efficiently in the armed forces without additional time-consuming preliminary training, or to assume a position of medical leadership in a civilian catastrophe situation and the planning and organization in anticipation thereof. During the Basic Course the organization of the Army and the Air Force and their medical services, and the tactical employment of the components thereof are explained. The fundamentals of military law and administration are taught together with map reading, emergency care, and evacuation of the wounded.

During the Advanced Course, while orthodox clinical medicine, surgery, and psychiatry are being learned in the regular curriculum, military medicine presents the modifications necessitated by the catastrophe situation. Preventive medicine in its many practical military applications receives the greatest attention, while additional subjects include field medicine and surgery, military psychiatry, the medical aspects of atomic,

chemical, and biological warfare, and military medical research and developments.

The principles of military medicine are the same principles that govern the successful management of civilian catastrophe situations, so in this atomic era it is urged that all medical students avail themselves of the increased preparedness afforded by the medical ROTC program.

Special Students

ALL STUDENTS not registered in Cornell University Graduate School and not registered for the M.D. degree are SPECIAL STUDENTS. These are SPECIAL STUDENTS in the true sense of the word and must be especially qualified in preparation, ability, and objective in order to receive any consideration. They may or may not be graduate students in the sense of having completed work for a collegiate degree. They are admitted *only by the consent of the head of the department* and must be registered in the Administration Office of the Medical College and must pay their fees at the Business Office before being admitted to lectures or laboratory periods. They are required to carry and show on demand of the authorities a permit of attendance.

FEEES

Matriculation Fee	\$10
Administration Fee	\$ 5

Tuition fees vary depending upon the type of work taken.

A breakage fee may be required.

Table of Required Hours

	First Year	Second Year	Third Year	Fourth Year	Total
ANATOMY:					
GROSS ANAT. OF THE HUMAN BODY	374				
HISTOLOGY AND EMBRYOLOGY	180				
NEUROANATOMY	84				638
BIOCHEMISTRY	220				220
BACTERIOLOGY	55	88			143
PHYSIOLOGY	110	121			231
PATHOLOGY		308			308
PHARMACOLOGY		143			143
MEDICINE:					
PHYSICAL DIAGNOSIS		121			
CLINICAL PATHOLOGY		77			
NEUROLOGY		33			
SPECIALTIES, CLERKSHIP & OPD			297	264	
LECTURES		22	33		847
*MEDICAL COMPREHENSIVE CARE				310	
SURGERY:					
OPHTHALMOLOGY		22			
INTRODUCTORY SURGERY		22			
SPECIALTIES, CLERKSHIP & OPD			297	264	
LECTURES			33		638
OBSTETRICS AND GYNECOLOGY:					
PRACTICAL INSTRUCTION			66	264	
LECTURES			66		396
PEDIATRICS:					
PRACTICAL INSTRUCTION			132	66	
LECTURES			33		231
PSYCHIATRY:					
PSYCHOBIOLOGY	22				
PSYCHIATRY		33	33	66	
LECTURES				33	187
PUBLIC HEALTH:					
PARASITOLOGY		33			
FIELD AND SECTION		22	33		
LECTURES		11	33		132
CONTAGIOUS DISEASES			18		18
RADIOLOGY		11		20	31
ELECTIVE HOURS				(264)	
TOTALS	1045	1067	1074	1287	4473

* The Medical Comprehensive Care Program is a joint project of all clinical departments and the department of public health. In addition to the 310 hours not assigned to any one department, this program embraces the assigned fourth year curricular hours of medicine and pediatrics and part of those of psychiatry.

() Elective time not included in totals.

FIRST YEAR SCHEDULE

1952-1953

Hours	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday			
9-10	Histology	Anatomy	Anatomy	Anatomy	Anatomy	Anatomy			
10-11									
11-12									
12-1									
1-2	Biochemistry	Histology	Free	Biochemistry	Biochemistry				
2-3	Anatomy			Histology	Histology				
3-4									
4-5									
	Mil. Med.								

Hours	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
9-10	Neuroanatomy	Histology	Anatomy	Neuroanatomy	Library Lectures*	Neuroanatomy† Histology
10-11						
11-12						
12-1						
1-2	Biochemistry	Anatomy	Free	Biochemistry	Biochemistry	
2-3	Anatomy					
3-4						
4-5						
	Mil. Med.					

Hours	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
9-10	Biochemistry	Physiology	Biochemistry	Physiology	Biochemistry	Physiology
10-11				Bacteriology		
11-12						
12-1				Psychobiol.		Psychobiol.
1-2						
2-3	Bacteriology	Physiology	Free	Bacteriology	Biochemistry	
3-4						
4-5						
	Mil. Med.					

* When scheduled.

† Five sessions histology and 6 neuroanatomy.

SECOND YEAR SCHEDULE

1952-1953

Hours	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday			
9-10	Pharmacology	Physiology	Physiology	Pharmacology	Physiology	Physiology			
10-11			Bacteriology		Pharmacology		Pharmacology		
11-12						Bacteriology		Pharmacology	Pharmacology
12-1									Bacteriology
1-2	Bacteriology	Pharmacology	Pharmacology						
2-3				Bacteriology	Pharmacology	Pharmacology			
3-4							Bacteriology	Pharmacology	Pharmacology
4-5	Bacteriology	Pharmacology	Pharmacology						
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Hours	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
9-10	Pathology	Pathology	Pathology	Pathology	Pathology	Pathology
10-11						
11-12						
12-1						Mil. Med.
1-2	Public Health	Physical Diagnosis	Free	Physical Diagnosis	Psychiatry	
2-3						
3-4						
4-5						

Hours	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
9-10	Physical Diag. "A" Neurol. Diag. IV	Pathology	Physical Diag. "B" Neurol. Diag. I	Physical Diag. "A" Neurol. Diag. III	Physical Diag. "B" Neurol. Diag. II	Pathology
10-11						
11-12						
12-1	Appl. Pharm.	Appl. Pharm.	Introductory Medicine	Neurology	Introductory Medicine	
1-2						
2-3	Clinical Pathology	Clinical Pathology	Free	Introductory Surgery	Clinical Pathology	
3-4						
4-5	Ophthalmol- ogy			Radiology	Ophthalmol- ogy	
	Mil. Med.					

THIRD YEAR SCHEDULE

1952-1953

Hours	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
9-10	Group A: Medicine (1); Ob.-Gyn., Ped., Psych., Pb. Hl. (2); Surgery (3). Group B: Surgery (1); Medicine (2); Ob.-Gyn., Ped., Psych., Pb. Hl. (3). Group C: Ob.-Gyn., Ped., Psych., Pb. Hl. (1); Surgery (2); Medicine (3).					
10-11						
11-12						
12-1	Pediatrics	Ob.-Gyn.	Surgery	Medicine	Pb. Hl.	Ob.-Gyn.
1-2						
2-3						
3-4			Free			
4-5	C.P.C.					

DETAILED SCHEDULE—HALF TERM (5½ WEEKS)
PEDIATRICS

Hours	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
9-10	Ob.-Gyn.	Pediatrics				
10-11						
11-12						
12-1	Pediatrics	Ob.-Gyn.	Surgery	Medicine	Pb.-Hl.	Ob.-Gyn.
1-2						
2-3	Pediatrics	Pediatrics	Free	Pediatrics		
3-4						
4-5						
	C.P.C.					

DETAILED SCHEDULE—HALF TERM (5½ WEEKS)
OBSTETRICS AND GYNECOLOGY, PSYCHIATRY,
PUBLIC HEALTH, CONTAGIOUS DISEASES

Hours	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
9-10	Ob.-Gyn.	Ob.-Gyn.	Contag. Diseases	Ob.-Gyn.	Pb. Hl.	Free
10-11						
11-12						
12-1	Pediatrics	Ob.-Gyn.	Surgery	Medicine	Pb. Hl.	Ob.-Gyn.
1-2						
2-3		Psychiatry	Free	Psychiatry	Pb. Hl.	
3-4						
4-5	C.P.C.					

FOURTH YEAR SCHEDULE

1952-1953

TWO SEMESTERS (SIX DIVISIONS) 22½ WEEKS EACH
JUNE 23 to MAY 28

Hours	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
9-1	Section I		1st Semester Medical Comprehensive Care	2d Semester { A Elec. (1); Ob.-Gyn. (2); Surg. (3). B Surg. (1); Elec. (2); Ob.-Gyn. (3). C Ob.-Gyn. (1); Surg. (2); Elec. (3). Section II { D Elec. (1); Ob.-Gyn. (2); Surg. (3). E Surg. (1); Elec. (2); Ob.-Gyn. (3). F Ob.-Gyn. (1); Surg. (2); Elec. (3). } Medical Comprehensive Care		
1-2						
2-3			Psychiatry			
3-4						
4-5	C.P.C.		Special Lect.			

DETAILED SCHEDULE
MEDICAL COMPREHENSIVE CARE

Morning:	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
Group I { A B	Pediatrics Medicine	Medicine Pediatrics	Pediatrics Medicine	All Groups (9:00-10:00) Lecture (10:00-11:30) Medical Grand Rounds (12:00-1:00) Radiology	Medicine Sp'ty Elec. Seminar	All Groups Special Conference
II { C D	Seminar Sp'ty Elec.	Sp'ty Elec. Seminar	Seminar Medicine S			
Afternoon: I { A B	{ Seminar Pediatrics Sp'ty Elec.	Sp'ty Elec. Seminar	All Groups (2:00-3:00) Psychiatry (3:00-4:00) Com.CareConf (4:00-5:00) SpecialLecture	Seminar Sp'ty Elec.	Sp'ty Elec. { Seminar Pediatrics Medicine Psychiatry (4:00-5:00) All Groups Pediatric Grand Rounds	
II { C D	Psychiatry Medicine	Medicine Psychiatry		Psychiatry Medicine		

Groups I and II switch at the end of eleven weeks.

Sloan-Kettering Division of Cornell University Medical College

BY AGREEMENT DATED June 16, 1950, between Cornell University, Sloan-Kettering Institute for Cancer Research, Memorial Center for Cancer and Allied Diseases, and the Society of the New York Hospital, a graduate division of Cornell University Medical College was established to be known as the Sloan-Kettering Division of Cornell University Medical College.

While each party to the above agreement continues under control and management of its respective Board of Trustees or Managers, there is established a Coordinating Board of eight members, of which two shall be chosen by each of the parties to this agreement. This Board will act as a clearing house of information and as a coordinator of those functions in which all of the parties to this agreement are interested and will make recommendations to the respective Boards of the parties to the agreement.

The Coordinating Board of the Sloan-Kettering Division of Cornell University Medical College consists at present of the following members:

Representatives of Memorial Center

Reginald G. Coombe

Mrs. Albert D. Lasker

Representatives of Sloan-Kettering Institute

Frank A. Howard

Lewis L. Strauss

Representatives of Cornell University

Arthur H. Dean, Chairman of the Executive Committee of the Board of Trustees

Deane W. Malott, President of the University

Representatives of the Society of the New York Hospital

John Hay Whitney

Henry S. Sturgis

FACULTY

PROFESSORS

OSCAR BODANSKY, *Professor of Biochemistry*. Attending Clinical Biochemist, Memorial Hospital. (A.B. 1921, Ph.D. 1925, Columbia; M.D. 1938, University of Chicago. [1946; 1951])

GEORGE B. BROWN, *Professor of Biochemistry*. (B.S. 1934, Illinois Wesleyan; M.S. 1936, Ph.D. 1938, University of Illinois. [1939; 1951])

JOSEPH H. BURCHENAL, *Professor of Medicine*. Attending Physician, Memorial Hospital. (M.D. 1937, University of Pennsylvania. [1949; 1952])

THOMAS F. GALLAGHER, *Professor of Biochemistry*. (A.B. 1927, Fordham University; Ph.D. 1931, University of Chicago. [1951])

JENS NIELSEN, *Visiting Professor of Radiology*. Medical Director, Radium

- Center, Copenhagen. (B.A. 1917, Cathedral School, Ribe; M.D. 1923, University of Copenhagen Medical School. [1952])
- JAMES J. NICKSON, *Professor of Radiology*. Attending Radiation Therapist, Memorial Hospital. (B.S. 1936, University of Washington; M.D. 1940, Johns Hopkins. [1949; 1951])
- HENRY T. RANDALL, *Professor of Surgery*. Clinical Director and Chief of Surgical Services, Memorial Hospital. (A.B. 1937, Princeton; M.D. 1941, Med. Sc.D. 1950, Columbia. [1950; 1951])
- RULON W. RAWSON, *Professor of Medicine*. Attending Physician, Memorial Hospital. (M.B. 1937, M.D. 1938, Northwestern. [1948; 1951])
- CORNELIUS P. RHOADS, *Professor of Pathology*. Director, Memorial Center for Cancer and Allied Diseases. (A.B. 1920, Bowdoin; M.D. 1924, Harvard. [1941])
- FRED W. STEWART, *Professor of Pathology*. Attending Pathologist, Memorial Hospital; Attending Pathologist, New York Hospital. (A.B. 1916, Ph.D. 1919, Cornell; M.D. 1924, Harvard. [1928; 1949])
- C. CHESTER STOCK, *Professor of Biochemistry*. (B.S. 1932, Rose Polytechnic Institute; Ph.D. 1937, Johns Hopkins University; M.S. 1941, New York University. [1951])
- GEORGE W. WOOLLEY, *Professor of Biology*. (B.S. 1930, Iowa State College; M.S. 1931, Ph.D. 1935, University of Wisconsin. [1951])

ASSOCIATE PROFESSORS

- ARTHUR C. ALLEN, *Associate Professor of Pathology*. Associate Attending Pathologist, Memorial Hospital. (B.S. 1931, M.D. 1936, University of California. [1951])
- HAROLD BEYER, *Associate Professor of Biophysics*. (A.B. 1934, Ph.D. 1943, Columbia University. [1951])
- JOHN J. BIESELE, *Associate Professor of Biology*. (A.B. 1939, Ph.D. 1942, University of Texas. [1950; 1952])
- FRANK W. FOOTE, JR., *Associate Professor of Pathology*. Attending Pathologist, Memorial Hospital; Associate Attending Pathologist, New York Hospital. (A.B. 1931, M.D. 1935, University of Virginia. [1949])
- DAVID A. KARNOFSKY, *Associate Professor of Medicine*. Associate Attending Physician, Memorial Hospital. (A.B. 1934, University of California; A.M. 1936, M.D. 1940, Stanford. [1949; 1952])
- ALICE E. MOORE, *Associate Professor of Biology*. (A.B. 1930, A.M. 1935, Ohio State University; M.D. 1942, New York University College of Medicine. [1951])
- OLOF H. PEARSON, *Associate Professor of Medicine*. Assistant Attending Physician, Memorial Hospital. (A.B. 1934, M.D. 1939, Harvard University. [1949; 1952])
- MARY L. PETERMANN, *Associate Professor of Biochemistry*. (A.B. 1929, Smith College; Ph.D. 1939, University of Wisconsin. [1951])
- FREDERICK S. PHILIPS, *Associate Professor of Pharmacology*. (A.B. 1936, Columbia; Ph.D. 1940, Rochester. [1948; 1951])
- DAVID PRESSMAN, *Associate Professor of Biochemistry*. (B.S. 1937, California Institute of Technology; M.A. 1938, University of California at Los Angeles; Ph.D. 1940, California Institute of Technology. [1951])
- HOWARD L. RICHARDSON, *Associate Professor of Pathology*. Assistant Attending Pathologist, Memorial Hospital. (B.S. 1936, College of Puget Sound; M.A. 1940; M.D. 1940, University of Oregon Medical School. [1952])

ASSISTANT PROFESSORS

- AARON BENDICH, *Assistant Professor of Biochemistry*. (B.S. 1939, College of the City of New York; Ph.D. 1946, Columbia University. [1952])

- LIEBE F. CAVALIERI, *Assistant Professor of Biochemistry*. (B.S. 1943, M.S. 1944, Ph.D. 1945, University of Pennsylvania. [1952])
- PATRICK FITZGERALD, *Assistant Professor of Pathology*. Assistant Attending Pathologist, Memorial Hospital. (B.S. 1936, University of Massachusetts; M.D. 1940, Tufts College Medical School. [1952])
- DAVID K. FUKUSHIMA, *Assistant Professor of Biochemistry*. (A.B. 1939, Whitier College; A.M. 1943, University of California at Los Angeles; Ph.D. 1946, University of Rochester. [1952])
- LEON D. HELLMAN, *Assistant Professor of Medicine*. Clinical Assistant in Medicine, Memorial Hospital. (A.B. 1941, Columbia University; M.D. 1945, Long Island College of Medicine; Med. Sc.D. 1951, Columbia University. [1952])
- ROBERT C. MELLORS, *Assistant Professor of Biology*. Fellow in Pathology, Memorial Hospital. (A.B. 1937, A.M. 1938, Ph.D. 1940, Western Reserve University; M.D. 1944, Johns Hopkins University. [1952])
- WILLIAM L. MONEY, *Assistant Professor of Biology*. (A.B. 1943, Brown University; Ph.D. 1947, Harvard University. [1949; 1951])
- H. CHRISTINE REILLY, *Assistant Professor of Bacteriology*. (B.S. 1941, New Jersey College for Women; Ph.D. 1946, Rutgers University. [1952])
- PAUL M. ROLL, *Assistant Professor of Biochemistry*. (B.S. 1936, University of Santa Clara; M.A. 1942, Ph.D. 1947, Stanford University. [1952])
- CHESTER M. SOUTHAM, *Assistant Professor of Medicine*. Assistant Attending Physician, Memorial Hospital. (B.S. 1941, M.S. 1943, University of Idaho; M.D. 1947, Columbia University. [1951; 1952])
- SOPHIE SPITZ, *Assistant Professor of Pathology*. Assistant Attending Pathologist, Memorial Hospital. (A.B. 1929, M.D. 1932, Vanderbilt University. [1952])
- HELENE W. TOOLAN, *Assistant Professor of Pathology*. (B.S. 1929, University of Chicago; Ph.D. 1946, Cornell University Medical College. [1952])
- HELEN Q. WOODARD, *Assistant Professor of Biochemistry*. Associate Attending Biochemist, Memorial Hospital. (B.S. 1920, Stetson University; Ph.D. 1925, Columbia University. [1952])

EDUCATIONAL PLAN OF INSTRUCTION

The facilities of the Sloan-Kettering Graduate Division consist of a thirteen story laboratory unit (Sloan-Kettering Institute) in direct connection with two hospitals—Memorial Hospital, a voluntary institution of 280 beds, and the James Ewing Hospital, a unit of the New York City hospital system with 270 beds. The Strang Clinic, another building in the unit, houses the work in preventive medicine in cancer.

The type of training offered in this Division of the Medical College is primarily for candidates who are working toward an advanced degree. The plan of organization for teaching and research affords ample opportunities for direct participation in investigative work on cancer and allied diseases in recognized divisions of the physical and biological sciences but not in any of the clinical fields such as medicine, pediatrics, and surgery. In addition to the conventional disciplines of biochemistry, biophysics, and pathology, a new department has been organized under the heading of "Biology and Growth." This department presents lectures and laboratory work in the field of normal and neoplastic growth, which do not fall in the usual curricular divisions.

BIOCHEMISTRY

OSCAR BODANSKY, Professor of Biochemistry.
GEORGE W. BROWN, Professor of Biochemistry.
THOMAS F. GALLAGHER, Professor of Biochemistry.
MARY L. PETERMANN, Associate Professor of Biochemistry.
DAVID PRESSMAN, Associate Professor of Biochemistry.
AARON BENDICH, Assistant Professor of Biochemistry.
LIEBE F. CAVALIERI, Assistant Professor of Biochemistry.
DAVID K. FUKUSHIMA, Assistant Professor of Biochemistry.
PAUL M. ROLL, Assistant Professor of Biochemistry.
HELEN Q. WOODARD, Assistant Professor of Biochemistry.
EARL BALIS, Research Associate in Biochemistry.
H. LEON BRADLOW, Research Associate in Biochemistry.
ESTELLA KATZENELLENBOGEN, Research Associate in Biochemistry.
LEONHARD KORNGOLD, Research Associate in Biochemistry.
THEODORE H. KRITCHEVSKY, Research Associate in Biochemistry.
NORMA LEEDS, Research Associate in Biochemistry.
ROBERT ROSENFELD, Research Associate in Biochemistry.
MAX SCHLAMOWITZ, Research Associate in Biochemistry.
MALCOLM SIEGEL, Research Associate in Biochemistry.
ROBERT E. NEUMAN, Instructor in Biochemistry.
KATHLEEN R. ROBERTS, Instructor in Biochemistry.
C. T. BEER, Research Fellow in Biochemistry.
ATTALLAH KAPPAS, Research Fellow in Biochemistry.
IVAN I. SALAMON, Research Fellow in Biochemistry.
RUDOLF SCHNEIDER, Research Fellow in Biochemistry.
ALBERT H. SOLOWAY, Research Fellow in Biochemistry.
HERBERT WEINFELD, Research Fellow in Biochemistry.

ELECTIVE COURSES

Special work may be undertaken in the fields of electrolyte metabolism, enzymology, immunochemistry, protein and nucleoprotein chemistry and metabolism, and the chemistry and metabolism of steroids by arrangement with the appropriate member of the department.

BIOLOGY AND GROWTH

CORNELIUS P. RHOADS, Professor of Pathology.
C. CHESTER STOCK, Professor of Biochemistry.
GEORGE W. WOOLLEY, Professor of Biology.
JOHN J. BIESELE, Associate Professor of Biology.
ALICE E. MOORE, Associate Professor of Biology.
FREDERICK S. PHILIPS, Associate Professor of Pharmacology.
ROBERT MELLORS, Assistant Professor of Biology.
WILLIAM L. MONEY, Assistant Professor of Biology.
H. CHRISTINE REILLY, Assistant Professor of Bacteriology.
HELENE W. TOOLAN, Assistant Professor of Pathology.
CHARLOTTE FRIEND, Research Associate in Bacteriology.
ROBERT GUTHRIE, Research Associate in Bacteriology.
DONALD A. CLARKE, Instructor in Pharmacology.
A. R. T. DENUES, Instructor in Biology.
MARGARET HARLAND, Instructor in Anatomy.
DORRIS J. HUTCHISON, Instructor in Bacteriology.
JOHN A. JACQUEZ, Instructor in Biology.
AUDREY FJELDE, Research Fellow in Bacteriology.

ELECTIVE COURSES

Investigative facilities are available for studies in pharmacology, microbiology, endocrinology, genetics, and virology as related to the initiation and growth of various types of cancer. Training will be given in the special procedures used in experimental cancer chemotherapy. Arrangements for the desired type of work may be made with the appropriate member of the department.

BIOPHYSICS

HAROLD BEYER, Associate Professor of Biophysics.

ELECTIVE COURSES

Facilities are available for training in radiologic physics (including high energy phenomena), radiobiology, tracer work (stable and radioactive), radioautography, soft X-ray absorption, electronics, and theory and practice of radiation detection. Arrangements may be made with the department head.

MEDICINE

RULON W. RAWSON, Professor of Medicine.
JOSEPH H. BURCHENAL, Professor of Medicine.
DAVID A. KARNOFSKY, Associate Professor of Medicine.
OLOF H. PEARSON, Associate Professor of Medicine.
LEON D. HELLMAN, Assistant Professor of Medicine.
CHESTER M. SOUTHAM, Assistant Professor of Medicine.
HARVEY S. COLLINS, Research Associate in Medicine.
VINCENT P. HOLLANDER, Research Associate in Medicine.
RAYMOND W. HOUDE, Research Associate in Medicine.
HENRY J. KOCH, JR., Research Associate in Medicine.
CHARLES D. WEST, Research Associate in Medicine.
ROSE-RUTH ELLISON, Instructor in Medicine.
GEORGE C. ESCHER, Instructor in Medicine.
M. LOIS MURPHY, Instructor in Medicine.
MARTIN SONENBERG, Instructor in Medicine.
MARGUERITE SYKES, Instructor in Medicine.
DAVID V. BECKER, Research Fellow in Medicine.
LEONARD D. HAMILTON, Research Fellow in Medicine.
LOUIS A. LEONE, Research Fellow in Medicine.
MORTIMER L. MENDELSON, Research Fellow in Medicine.
JAMES W. POPPELL, Research Fellow in Medicine.
DOROTHY WEBER SVED, Research Fellow in Medicine.
SHIRLEY WEISENFELD, Research Fellow in Medicine.

ELECTIVE COURSES

Elective courses lasting two to four months are available for fourth year students to work in the sections of clinical investigation. The following courses are offered by the Division of Clinical Investigation:

1. Hematology. A maximum of two students can be accepted.
2. Isotopic technics in medicine. A maximum of two students can be accepted.

3. Metabolic methods in clinical medicine. One student can be accepted.

4. Thyroid physiology. A maximum of two students can be accepted.

5. A series of lectures on the natural history of various types of neoplastic disease and on the medical management of cancer presented by the medical neoplasia and chemotherapy services.

A maximum of four students can be accepted for training in the techniques of evaluating chemotherapeutic agents in cancer, through the care of the patients on the wards and in the outpatient department, and by participation in the weekly service conferences.

PATHOLOGY

FRED W. STEWART, Professor of Pathology.

ARTHUR C. ALLEN, Associate Professor of Pathology.

FRANK W. FOOTE, Jr., Associate Professor of Pathology.

HOWARD RICHARDSON, Associate Professor of Pathology.

PATRICK FITZGERALD, Assistant Professor of Pathology.

SOPHIE SPITZ, Assistant Professor of Pathology.

STEPHEN S. STERNBERG, Research Associate in Pathology.

DOUGLAS SUNDERLAND, Research Associate in Pathology.

ELECTIVE COURSES

Fourth year medical students are accepted for elective work in tumor pathology for periods of one month or longer at any time through special arrangement. Such students are assigned to a graduate Fellow in pathology who will serve as tutor. They shall observe and assist at autopsies and examination of gross surgical specimens, and microscopic diagnosis; they shall attend weekly clinicopathologic conferences and departmental conferences. Formal lectures are not offered. A microscope is required.

RADIOLOGY

JAMES J. NICKSON, Professor of Radiology.

JENS NIELSEN, Visiting Professor of Radiology.

ELECTIVE COURSES

1. Lectures in Radiation Therapy. Thursday afternoons, 5-6, January through April.

2. Lectures in Radiological Physics. Wednesday afternoons, 5-6, January through April.

3. Lectures in Radiobiology. Monday afternoons, 5:30-6:30, January through April.

In addition, elective students will be taken for a period of three months for half-time work in laboratory investigations of the effect of ionizing radiations on biological material. This course will be arranged after interview only.

SURGERY

HENRY T. RANDALL, Professor of Surgery.

ELECTIVE COURSES

Opportunities are available for clinical investigation in problems of metabolism, particularly in water and electrolyte metabolism and renal function as related to surgical problems. There are special facilities for animal studies in experimental surgery and surgical physiology pertaining to problems of major surgery in the cancer field. Arrangements may be made with the department head.

Internship Appointments, Class of 1952

DOCTORS OF MEDICINE, JUNE 11, 1952

Irwin Alan Almenoff	Montefiore Hospital, New York, N.Y.
James Douglas Alway, Jr.	Virginia Mason Hospital, Seattle, Wash.
Julius Joseph Baber	New York Hospital, New York, N.Y.
John Hart Balise	Hartford Hospital, Hartford, Conn.
Gerald Samuel Barad	Lenox Hill Hospital, New York, N.Y.
John Weldon Bellville	Minneapolis General Hospital, Minneapolis, Minn.
Irving Myron Blatt	Kings County Hospital, New York, N.Y.
Louis Bove	Hartford Hospital, Hartford, Conn.
Robert Jay Moyer	Bellevue Hospital, New York, N.Y.
John Wickliff Bromley	Lenox Hill Hospital, New York, N.Y.
Norman Slingerland Buys	State University Medical Center, Syracuse, N.Y.
Arthur Stephen Carlson	New York Hospital, New York, N.Y.
William Anderson Coleman	Strong Memorial Hospital, Rochester, N.Y.
John Michael Connolly	New York Hospital, New York, N.Y.
William Cooper	New York Hospital, New York, N.Y.
William Lloyd Craver	New York Hospital, New York, N.Y.
Raymond Joseph Donovan	Henry Ford Hospital, Detroit, Mich.
Lester Mahan Felton	Bellevue Hospital, New York, N.Y.
Peter Jay Fennel	Maine General Hospital, Portland, Maine
Charles Pennock Foote	Kings County Hospital, New York, N.Y.
George William Frimpter	Bellevue Hospital, New York, N.Y.
James Clark Gammill	Walter Reed Hospital, Washington, D.C.
Thomas Aquinas Gilday	Geisinger Hospital, Danville, Pa.
Roy Glasgow Gill	Kings County Hospital, New York, N.Y.
David Goebel	New York Hospital, New York, N.Y.
Waldo Greenspan	Bellevue Hospital, New York, N.Y.
J. Douglas Hallock	St. Luke's Hospital, New York, N.Y.
Leon Irving Hammer	Montefiore Hospital, New York, N.Y.
Leston Laycock Havens	New York Hospital, New York, N.Y.
William Norbert Hill, Jr.	Hartford Hospital, Hartford, Conn.
Russell Sherman Hoxsie	Rhode Island Hospital, Providence, R.I.
Joseph Kantor Indenbaum	Los Angeles County Hospital, Los Angeles, Calif.
William Arthur Jamison	Kings County Hospital, New York, N.Y.
George Johnson, Jr.	New York Hospital, New York, N.Y.
Theodore Inslee Jones	Bellevue Hospital, New York, N.Y.
Martin David Keller	New York Hospital, New York, N.Y.
Thomas Killip, III	Strong Memorial Hospital, Rochester, N.Y.
John Francis Kurtzke	Kings County Hospital, New York, N.Y.
John Rudolf Langstadt	New York Hospital, New York, N.Y.
John Unger Lanman	City of Detroit Receiving, Detroit, Mich.
Frederic William Lathrop, Jr.	Muhlenberg Hospital, Plainfield, N.J.
Robert Earl Lee	New York Hospital, New York, N.Y.
Richard Lennihan, Jr.	University of Virginia Hospital, Charlottesville, Va.

Roy Hilty Lucas	University Hospitals of Cleveland, Cleveland, Ohio
Keith McLoud	Albany Hospital, Albany, N.Y.
Franklin Bruce Merrill	Colorado General Hospital, Denver, Colo.
Audrey Wilkins Mertz	St. Vincent's Hospital, Portland, Ore.
James Lawrence Mertez	St. Vincent's Hospital, Portland, Ore.
John Andrew Mitchell	University Hospitals of Cleveland, Cleveland, Ohio
Ralph Bryan Moore, Jr.	Strong Memorial Hospital, Rochester, N.Y.
David Marten Niceberg	Maimonides Hospital, Brooklyn, N.Y.
Sterling Wallace Obenour, Jr.	University Hospitals of Cleveland, Cleveland, Ohio
Charles William Parton	University of Virginia Hospital, Charlottesville, Va.
Russel Hugo Patterson, Jr.	New York Hospital, New York, N.Y.
Walter Leon Peretz	Bellevue Hospital, New York, N.Y.
Richard Earl Perkins	Lenox Hill Hospital, New York, N.Y.
Clinton Burns Potter	Rhode Island Hospital, Providence, R.I.
Peter Peter Poulos	Bellevue Hospital, New York, N.Y.
Arthur George Prangley, Jr.	Hartford Hospital, Hartford, Conn.
Ricardo Enrique Rengel	Bellevue Hospital, New York, N.Y.
Burton Rubin	Grasslands Hospital, Valhalla, N.Y.
Herbert Simeon Sacks	Grace-New Haven Hospital, New Haven, Conn.
Willis Sanderson	White Cross Hospital, Columbus, Ohio
Edwin Colby Sevringhaus	Strong Memorial Hospital, Rochester, N.Y.
Lewis Shenker	Lenox Hill Hospital, New York, N.Y.
George Seamon Shields	Bellevue Hospital, New York, N.Y.
Stuart Robinson Silver	Bellevue Hospital, New York, N.Y.
Peter Edwin Stokes	New York Hospital, New York, N.Y.
Frank Joseph Sullivan	Bellevue Hospital, New York, N.Y.
Bernard Edwin Swanson	Grasslands Hospital, Valhalla, N.Y.
Frank Bell Throop	Indianapolis General Hospital, Indianapolis, Ind.
James David Van Doren	Lenox Hill Hospital, New York, N.Y.
Alan Van Poznak	New York Hospital, New York, N.Y.
Robert Morris Wagner	New York Hospital, New York, N.Y.
Elizabeth Barrows Watson	Bryn Mawr Hospital, Bryn Mawr, Pa.
Virginia Davidson Weeks	Bellevue Hospital, New York, N.Y.
Richard Jay Weishaar	Norwegian Lutheran Hospital, Brooklyn, N.Y.
Sidney Lee Werkman	University of Virginia Hospital, Charlottesville, Va.
Robert Edward Wieche	New York Hospital, New York, N.Y.
Herbert Ambrose Zaccheo	Geisinger Hospital, Danville, Pa.

Register of Students, 1952-53

FOURTH YEAR

Charles Peter Albright, A.B. 1949, Allegheny College	Alexandria, Va.
John Symington Aldridge, A.B. 1950, Cornell University	New York, N.Y.
Kenneth Collett Archibald, St. Lawrence University	White Plains, N.Y.
Frank Myrick Ash, A.B. 1949, Williams College	Ridgewood, N.J.
Bennett Barton, A.B. 1949, Princeton University	Douglaston, N.Y.
Barbara Bates, A.B. 1949, Smith College	Auburn, N.Y.
Stephen Lamar Bennett, B.S. 1949, Queens College	Queens Village, N.Y.
Richard Harrod Blank, Emory University	Tampa, Fla.
David Myron Bloom, A.B. 1950, Cornell University	Binghamton, N.Y.
David Albert Blumenstock, B.S. 1949, Union College	South Orange, N.J.
John Benjamin Branche, B.S. 1949, Queens College	Jamaica, N.Y.
Carl Hannibal Brennan, Jr., A.B. 1949, University of Maine	Bangor, Maine
Robert Woods Brown, A.B. 1949, DePauw University	Elkhart, Ind.
Frederick William Campbell, A.B. 1949, Yale University	Gross Pointe Farms, Mich.
David Ignatius Canavan, A.B. 1949, St. Peter's College	Ridgefield Park, N.J.
Arthur Chandler, Jr., A.B. 1950, Cornell University	Detroit, Mich.
George Tanner Conger, B.S. 1948, University of Akron	Akron, Ohio
Earnest M. Curtis, Jr., B.S. 1949, University of Alabama	Tuscaloosa, Ala.
Elizabeth Vasiliki Despina Coryllos, A.B. 1949, Barnard College	New York, N.Y.
Richard La Vern Dexter, B.S. 1949, Albright College	Wellsboro, Pa.
John Phillips Dorst, Pomona College	Cincinnati, Ohio
Robert Harrison Edwards, A.B. 1949, University of North Carolina	Scarsdale, N.Y.
Harold J. Ellner, A.B. 1950, Cornell University	New York, N.Y.
Lawrence Mance Ervin, B.S. 1946, College of the City of New York	New York, N.Y.
Ames Lawrence Filippone, Jr., A.B. 1950, Cornell University	Newark, N.J.
Marvin Irving Fox, A.B. 1948, Cornell University; M.S. 1949, University of Chicago	Brooklyn, N.Y.
Julia Louise Freitag, A.B. 1949, Cornell University	Hope Farm, N.Y.
Catherine Bradford Friedrich, A.B. 1949, Cornell University	Red Wing, Minn.
George Ripley Fuller, Swarthmore College	Scarsdale, N.Y.
John Donald Gallagher, B.S. 1949, Fordham College	Queens Village, N.Y.
Aaron Ganz, A.B. 1949, New York University	Brooklyn, N.Y.
Robert DeForest Gens, A.B. 1949, Hamilton College	Floral Park, N.Y.
Stanley Erwin Goodman, B.S. 1947, Trinity College; M.A. 1949, University of Pennsylvania	Norwalk, Conn.
William Anthony Grattan, B.S. 1949, Union College	Grafton, N.Y.
Robert Sherman Grayson, A.B. 1950, Cornell University	Harrison, N.J.
Richard Stuart Green, A.B. 1949, Swarthmore College	Flushing, N.Y.
Ward Orin Griffen, Jr., A.B. 1948, Princeton University	Pelham Manor, N.Y.
Peter Daniel Guggenheim, A.B. 1949, Cornell University	Islip, N.Y.
Charles Lee Heiskell, Jr., B.S. 1947, The Citadel	Pasadena, Calif.
William Howard Hover, A.B. 1949, Cornell University	Montclair, N.J.
Richard Hills James, B.S. 1949, Columbia University	Pelham, N.Y.
Ira Hartley Kaufman, A.B. 1949, Cornell University	New York, N.Y.
William Thomas Kelly, A.B. 1949, Cornell University	Ithaca, N.Y.
Calvin Murray Kunin, A.B. 1949, Columbia University	Brooklyn, N.Y.

REGISTER OF STUDENTS

105

James Mendon Ludwig, Jr., A.B. 1950, Cornell University	Norfolk, Va.
Milton Norman Luria, A.B. 1949, Cornell University	Plattsburg, N.Y.
Charles Wright MacMillan, Jr., A.B. 1950, Cornell University	Upper Montclair, N.J.
Peter Raoul Mahrer, A.B. 1949, Brooklyn College	New York, N.Y.
Charles Anthony Malone, A.B. 1949, Oberlin College	New York, N.Y.
Richard Francis Mattingly, A.B. 1949, Ohio State University	Zanesville, Ohio
Robert Emmet McCabe, Jr., A.B. 1948, Williams College	Charleston, W. Va.
John Paul McCreary, Cornell University	Poland, Ohio
Allen Walter Mead, B.S. 1949, Davidson College	Florence, S.C.
Thomas Spurr Morse, A.B. 1950, Cornell University	Richmond, Mass.
Jay Richard Olsen, B.S. 1949, Idaho State College	Pocatello, Idaho
Robert Heyde Orth, A.B. 1949, Hamilton College	Greenwich, Conn.
Jack Flemming Ostergaard, A.B. 1949, Dartmouth College	Pittsburgh, Pa.
Charles Wellington Pearce, Rice Institute	Ballinger, Texas
Joseph Edward Plastaras, B.S. 1949, Manhattan College	Lynbrook, N.Y.
Richard Fleming Porter, A.B. 1949, University of Kansas	Concordia, Kansas
Arnold Henry Randell, Jr., A.B. 1949, Kenyon College	Niles, Ohio
James Leon Reichard, B.S. 1949, Franklin and Marshall	York, Pa.
Jack Richard, A.B. 1950, Cornell University	New York, N.Y.
William Kay Riker, A.B. 1949, Columbia University	New York, N.Y.
Harlan David Root, A.B. 1950, Cornell University	Riders Mills, N.Y.
Henry George Schmidt, Jr., Duke University	East Orange, N.J.
Abraham Isaac Schweid, A.B. 1950, Cornell University	New York, N.Y.
Richard Tobias Silver, A.B. 1950, Cornell University	Lake Mahopac, N.Y.
Gerald Murray Silverman, A.B. 1950, Cornell University	Forest Hills, N.Y.
Paul Albert Skudder, A.B. 1949, Middlebury College	New Rochelle, N.Y.
David Elliott Sobel, A.B. 1949, University of North Carolina	New York, N.Y.
Charles Albert Stevens, Jr., A.B. 1949, Cornell University	Westfield, N.J.
James Strickler, A.B. 1950, Dartmouth College	Pittsburgh, Pa.
Philip Tager, A.B. 1949, Cornell University	New York, N.Y.
Thomas Lee Taylor, B.S. 1949, University of Maryland	Baltimore, Md.
Paul Richard Thornfeldt, A.B. 1949, Montana State University	Helena, Mont.
Kenneth Fredric Tucker, B.S. 1949, Columbia University	Brooklyn, N.Y.
Clifford Hohnholt Urban, A.B. 1949, Columbia University	Astoria, N.Y.
Heinz Valtin, A.B. 1949, Swarthmore College	Philadelphia, Pa.
Richard Paul Wagner, A.B. 1949, Cornell University	Hurley, N.Y.
Richard Wellman, A.B. 1949, Cornell University	New York, N.Y.
Florence Arlene Wilson, A.B. 1949, Cornell University	Binghamton, N.Y.
Edward Albert Wolfson, A.B. 1948, M.N.S. 1949, Cornell University	Fairlawn, N.J.
Bernard Arthur Yablin, A.B. 1948, Cornell University	Watertown, N.Y.

THIRD YEAR

Fredrick Ralph Abrams, A.B. 1950, Cornell University	Brooklyn, N.Y.
Ronald Hunt Allen, B.S. 1950, Fordham University	Teaneck, N.J.
Eugene Antelis, A.B. 1950, New York University	New York, N.Y.
Nancy Carolynn Arnold, A.B. 1950, Vassar College	Minneapolis, Minn.
James Hartford Arthur, A.B. 1950, Cornell University	Meadville, Pa.
Wilnot Coles Ball, Jr., B.E. 1949, Johns Hopkins University	Ridgewood, N.J.
Douglas Holmes Barns, B.S. 1950, St. Lawrence University	Redwood, N.J.
Robert Leonard Beals, A.B. 1950, University of Maine	Skowhegan, Maine
Richard Percival Bigelow, A.B. 1951, University of Utah	Provo, Utah
Sumner Theodore Bohee, B.S. 1950, Franklin and Marshall College	Lancaster, Pa.
Kenneth Neubauer Bredesen, A.B., B.S. 1952, University of Minnesota	Edina, Minn.

Harold Thomas Brew, Jr., A.B. 1950, Middlebury College	New York, N.Y.
John Robert Buchanan, A.B. 1950, Amherst College	Fair Haven, N.J.
Harry Edwin Cassel, A.B. 1950, Cornell University	Harrisburg, Pa.
Hillary Anthony Chollet, A.B. 1950, Cornell University	New Orleans, La.
Theodore Avery Collier, B.S. 1950, Beloit College	New Canaan, Conn.
Richard Warwick Dame, A.B. 1950, Cornell University	Beechhurst, N.Y.
Harry Warren Daniell, A.B. 1950, Cornell University	Millinocket, Maine
George Dermksian, A.B. 1948, M.A. 1950, Columbia University	New York, N.Y.
Louis Joseph Dougherty, Jr., A.B. 1950, Yale University	Rockville Center, N.Y.
Thomas Allen Edwards, A.B. 1950, Williams College	Scarsdale, N.Y.
David Eisenberg, A.B. 1950, Cornell University	Rochester, N.Y.
Henry Ralph Erle, A.B. 1950, Cornell University	New York, N.Y.
Seneca Lawrence Erman, B.S. 1949, College of the City of New York	West Hempstead, N.Y.
Harrison Hatheway Farley, A.B. 1950, Westminster College	Alton, Illinois
James Charles Ford, B.S. 1950, Iowa State College	Boone, Iowa
Claude Ellis Forkner, Jr., A.B. 1949, Harvard University	New York, N.Y.
Walter Lewis Freedman, A.B. 1950, DePauw University	New York, N.Y.
Richard Theron Furr, A.B. 1950, University of Mississippi	Aberdeen, Miss.
Eugene David Furth, A.B. 1950, Wesleyan University	Oak Ridge, Tenn.
William Henry Gordon, Jr., B.S.E. 1947, University of Michigan; M.A. 1949, Columbia University	Detroit, Mich.
William Charles Herbert Grimm, Jr., A.B. 1950, Syracuse University	Garfield, N.J.
Myron Roberts Grover, Jr., A.B. 1950, Bowdoin College	Scarsdale, N.Y.
John Fowler Gustafson, A.B. 1950, Bowdoin College	Laconia, N.H.
James Charles Hart, B.S. 1950, University of Arizona	Prescott, Ariz.
John Kenneth Herd, B.S. 1950, Rutgers University	Metuchen, N.J.
Alfred Turnbull Holt, A.B. 1951, Dartmouth College	West Hartford, Conn.
Richard James Homrighausen, A.B. 1950, Princeton University	Princeton, N.J.
Kenneth Andrew Hubel, A.B. 1950, University of Rochester	Rye, N.Y.
Edwin Max Jacobs, A.B. 1950, Reed College	San Francisco, Calif.
David Morrison Johnson, Jr., A.B. 1950, Ohio Wesleyan University	Columbus, Ohio
Norman Wolf Keller, A.B. 1950, Colgate University	Tuckahoe, N.Y.
Melvin James King, A.B. 1950, Brown University	Pawtucket, R.I.
John Joseph Knightly, A.B. 1950, St. Peter's College	Jersey City, N.J.
Urick Michael Krasnopolsky, B.S. 1947, University of Oregon	Jackson Heights, N.Y.
Herbert Andre Kroeze, Jr., B.S. 1950, University of Mississippi	Jackson, Miss.
Richard Kindell Lansche, B.S. 1950, Northwestern University	St. Louis, Mo.
David Hillis Law, IV, A.B. 1950, Cornell University	Glendale, Calif.
Bruce Carl Levy, A.B. 1950, Cornell University	Katonah, N.Y.
Donald Irvan Matern, A.B. 1950, Wesleyan University	Worcester, Mass.
Andrew James McElhinney, Jr., B.S. 1950, Holy Cross College	Pelham, N.Y.
Cornelius Irving Meeker, A.B. 1950, Middlebury College	Plainfield, N.J.
Charles Donald Meier, A.B. 1950, Duke University	Alexandria, Va.
Thomas Harry Meikle, Jr., A.B. 1951, Cornell University	Troy, Pa.
Edward Stephen Mongan, A.B. 1950, Cornell University	Richmond Hill, N.Y.
William Edward Morse, B.S. 1950, University of Michigan	Kew Gardens, N.Y.
James Wilson Mosley, A.B. 1950, University of Texas	Austin, Texas
Philip Robert Nast, A.B. 1950, Washington and Jefferson College	Butler, Pa.
Nicholas Macy Nelson, B.S. 1950, Yale University	Franklin Park, N.J.
Graham Dougald Newton, B.S. 1950, Davidson College	Faison, N.C.
Robert Augustine Newton, A.B. 1950, Amherst College	Newton Center, Mass.
Marion Ida Neilsen, A.B. 1950, Barnard College	Brooklyn, N.Y.
Paul Fordham Nugent, Jr., A.B. 1950, Cornell University	East Hampton, N.Y.

Alan Stimson Paterson, B.S. 1950, Yale University
 Robert Chester Patten, B.S. 1950, Davidson College
 John Emerick Peterson, A.B. 1950, Cornell University
 George Flory Pritchard, A.B. 1950, Williams College
 Robert Dean Quinn, A.B. 1950, Stanford University
 John Frank Rose, Jr., A.B. 1950, Cornell University
 Michael Sander Rost, A.B. 1950, Colgate University
 Robert Chase Runyon, A.B. 1950, Columbia University
 Saul Leonard Sanders, A.B. 1950, Kenyon College
 Paul Sherlock, B.S. 1950, Queens College
 Robert Ellis Shope, A.B. 1951, Cornell University
 Robert Perry Singer, A.B. 1950, Cornell University
 John Richard Slattery, B.S. 1950, St. Peter's College
 Thornton Maxwell Stearns, A.B. 1950, Yale University
 Nathalie Alice Strahan, A.B. 1950, Wellesley College
 Ann Patricia Sullivan, A.B. 1950, Cornell University
 Corbet Harold Turner, A.B. 1950, Cornell University
 William Adam Vincent, A.B. 1951, Cornell University
 Warren Whaley Warbasse, A.B. 1950, Princeton University
 James Carl Warenski, B.S. 1950, University of Utah
 Ralph Chester Williams, Jr., A.B. 1950, Cornell University

Rochester, N.Y.
 Miami, Fla.
 Bethesda, Md.
 Bangor, Pa.
 Stanford, Calif.
 Montclair, N.J.
 Orange, N.J.
 Springfield, N.J.
 New York, N.Y.
 New York, N.Y.
 Kingston, N.J.
 Middletown, N.J.
 New York, N.Y.
 East Orange, N.J.
 Maplewood, N.J.
 Rhinebeck, N.Y.
 East St. Louis, Ill.
 Owego, N.Y.
 East Orange, N.J.
 Salt Lake City, Utah
 Chevy Chase, Md.

SECOND YEAR

John Vincent Abbott, Jr., A.B. 1950, University of Iowa
 Ronald Alfred Arky, A.B. 1951, Cornell University
 Thane Asch, B.S. 1951, Columbia University
 Robert Coleman Atkins, A.B. 1951, University of Michigan
 William Sinclair Augerson, A.B. 1949, Bowdoin College
 Stephen McClintock Ayres, A.B. 1951, Gettysburg College
 David Baum, A.B. 1951, Dartmouth College
 Edwin Lawrence Bierman, A.B. 1951, Brooklyn College
 Robert Sunderlin Brittain, A.B. 1951, Colgate University
 John Lyman Brown, Jr., A.B. 1952, Cornell University
 Harry Gray Browne, A.B. 1951, Yale University
 Joseph Anthony Buda, A.B. 1951, Columbia University
 Donald John Cameron, A.B. 1951, Amherst College
 Iola Gracey Case, A.B. 1951, Vanderbilt University
 John Paul Clayton, A.B. 1951, Middlebury College
 Joseph Patrick Dineen, B.S. 1950, Fordham University
 Kemp Berner Doersch, A.B. 1951, Stanford University
 Richard Irwin Dudley, A.B. 1950, Cornell University;
 M.A. 1951, Emory University
 Maurice Everette Dyer, A.B. 1951, Columbia University
 Robert Richard Engisch, B.S. 1951, Union College
 Howard Marvin Feinstein, A.B. 1951, Cornell University
 Terence Patrick Fogarty, A.B. 1951, Dartmouth College
 Charles Frederick Frey, A.B. 1951, Amherst College
 Sorrell Newton Glover, A.B. 1952, Cornell University
 Stanley Martin Hanfling, A.B. 1951, Columbia University
 Paul Allen Hansch, A.B. 1948, Pomona College
 Maury Lloyd Hanson, A.B. 1951, Oberlin College
 William Hillis, A.B. 1951, Wesleyan University
 Charles Hoffman, Jr., A.B. 1951, Yale University
 Milton Hollenberg, A.B. 1951, Brooklyn College
 Charles Edward Hollerman, B.S. 1951, Allegheny College

East Paterson, N.J.
 New Brunswick, N.J.
 New York, N.Y.
 Dayton, Ohio
 Ellenville, N.Y.
 Westfield, N.J.
 Saratoga Springs, N.Y.
 New York, N.Y.
 Spencerport, N.Y.
 Palisade, N.J.
 Los Angeles, Calif.
 Fort Lee, N.J.
 Scarsdale, N.Y.
 Scarsdale, N.Y.
 Mineola, N.Y.
 New York, N.Y.
 Carmichael, Calif.
 New York, N.Y.
 Weston, Mo.
 Elizabeth, N.J.
 New York, N.Y.
 Brooklyn, N.Y.
 Scarsdale, N.Y.
 Los Angeles, Calif.
 Jamaica, N.Y.
 New York, N.Y.
 Alexandria, Va.
 Greenwich, Conn.
 Poughkeepsie, N.Y.
 Brooklyn, N.Y.
 Turtle Creek, Pa.

Gilbert Dolan Huebner, A.B. 1951, Harvard University	South Orange, N.J.
Reginald Harned Isele, A.B. 1951, Princeton University	Perth Amboy, N.J.
Martin George Jacobs, B.S. 1951, Franklin and Marshall College	Orange, N.J.
Kenneth Myron Jensen, A.B. 1951, Cornell University	Ithaca, N.Y.
Hiram Kendall, Jr., A.B. 1951, Harvard University	Westerly, R.I.
Kent Gordon Kimball, A.B. 1951, Yale University	Greenwich, Conn.
Peter Tamas Knoepfler, B.S. 1950, California Institute of Technology; M.A. 1951, Columbia University	Rio de Janeiro, Brazil
Joseph White Landau, A.B. 1951, Cornell University	Buffalo, N.Y.
John Beucler Lange, B.S. 1951, Franklin and Marshall College	Teaneck, N.J.
Richard Charles Lippincott, A.B. 1951, Williams College	Guilford, Conn.
Richard Rowland Lower, A.B. 1951, Amherst College	Detroit, Mich.
Lester Andrus Ludlow, A.B. 1951, Brigham Young University	Spanish Fork, Utah
Robert Burnett McGandy, A.B. 1951, Harvard University	Minneapolis, Minn.
Lowell Gilmore McLellan, B.S. 1951, Rutgers University	Woodbridge, N.J.
Herman Richard Matern, A.B. 1949, Concordia Seminary	Worcester, Mass.
Gunter Richard Meng, B.S. 1951, Cornell University	Ithaca, N.Y.
Walter Alexander Murray, Jr., A.B. 1952, Columbia University	Knoxville, Tenn.
William Alexander Neill, A.B. 1951, Amherst College	Scarsdale, N.Y.
James Franklin Oates, III, A.B. 1951, Princeton University	Lake Forest, Ill.
Artemis George Pazianos, A.B. 1951, Wellesley College	Manchester, Conn.
John Henry Per-Lec, A.B. 1951, Dartmouth College	Larchmont, N.Y.
Franklin Hewit Pfeifferberger, A.B. 1951, Yale University	Alton, Ill.
John Greenwood Pierik, A.B. 1951, Cornell University	Providence, R.I.
Guy Downs Plunkett, B.S. 1951, Rutgers University	Bound Brook, N.J.
James William Preuss, A.B. 1951, Cornell University	Binghamton, N.Y.
John Vincent Price, B.S. 1951, St. John's College	Belle Harbor, N.Y.
Cedric Joseph Priebe, Jr., B.S. 1951, Fordham University	Jackson Heights, N.Y.
Brian O'Malley Quinn, B.S. 1951, College of the Holy Cross	Rochester, N.Y.
Robert Edward Rentz, B.S. 1951, Trinity College	West Hartford, Conn.
Donald Paul Regula, A.B. 1951, Cornell University	Westwood, N.J.
Roland Whan Richmond, A.B. 1951, Bethany College	Nutley, N.J.
Nancy Bernadine Ripley, A.B. 1951, Cornell University	Staten Island, N.Y.
Ronald Stanley Romig, B.S. 1951, Albright College	Reading, Pa.
John Ross, Jr., A.B. 1951, Dartmouth College	Bronxville, N.Y.
Leslie Eugene Rudolf, Jr., B.S. 1951, Union College	Pelham, N.Y.
Steven Schenker, A.B. 1951, Cornell University	New York, N.Y.
Miles Harold Sigler, A.B. 1951, University of Rochester	Buffalo, N.Y.
John Harrison Sipple, Jr., A.B. 1952, Cornell University	Lakewood, Ohio
Herbert Jarvis Sorensen, A.B. 1951, Dartmouth College	Summit, N.J.
Frank George Standaert, A.B. 1951, Harvard University	Paterson, N.J.
Paul Stucki, Jr., A.B. 1951, Hamilton College	West New York, N.Y.
John Bernard Sullivan, B.S. 1951, Manhattan College	Long Island City, N.Y.
Frederick Gregg Thompson, III, A.B. 1951, Yale University	St. Joseph, Mo.
William Richard Thompson, A.B. 1951, University of Maine	Livermore Falls, Me.
Wolodymyr Tyschenko, Columbia University	New York, N.Y.
William Webb Van Stone, A.B. 1951, Swarthmore College	Denver, Colo.
Herbert Getty Vaughan, Jr., B.S. 1951, McGill University	Pelham, N.Y.
Frank James Veith, A.B. 1952, Cornell University	Scarsdale, N.Y.
Jane Harrison Walker, A.B. 1951, Bryn Mawr College	New York, N.Y.
Willard Travell Weeks, A.B. 1951, Amherst College	Brooklyn, N.Y.
Morton Raymond Weinstein, A.B. 1951, Cornell University	Brooklyn, N.Y.
David Sanborn Wilcox, A.B. 1951, Williams College	Hartford, Conn.
Edward Percy Williams, A.B. 1951, Bowdoin College	Linneus, Me.

FIRST YEAR

- Robert Richard Abel, A.B. 1952, Princeton University
 Donald Elliott Allen, B.S. 1952, Ohio State University
 Richard Allen Antell, A.B. 1952, Cornell University
 William Henry Austin, A.B. 1952, Bowdoin College
 Archibald Hildreth Beard, Jr., B.S. 1952, Williams College
 Charles Henry Beckmann, B.S. 1952,
 Massachusetts Institute of Technology
 Elliott Ellias Blinderman, B.S. 1952,
 College of the City of New York
 Dana Charles Brooks, B.E.E. 1949, Cornell University
 Bertram S. Brown, B.S. 1952, Brooklyn College
 Harry Martin Butler, Jr., A.B. 1952, Denison University
 Clarence Elton Cahow, Jr., B.S. 1952, Davidson College
 Paul Daniel Carter, B.S. 1951, Wheaton College
 Philip Kenneth Carter, Jr., A.B. 1952, Wheaton College
 Don Frederick Choquette, A.B. 1952, University of California
 Jay Norman Cohn, B.S. 1952, Union College
 Thomas William Cook, A.B. 1952, Princeton University
 William Charles Cooper, Franklin & Marshall College
 Charles Eugene Davis, B.S. 1952, Arizona State College
 Lee Washington Davis, A.B. 1952, Amherst College
 John Whitlow Delano, B.S. 1952, Rutgers University
 Harvey Bruce Denson, Cornell University
 Herbert Alban Dietzel, A.B. 1952, Colgate University
 Ronald Joseph Dorris, A.B. 1952, Harvard University
 John Wilson Espy, Franklin & Marshall College
 Robert Slora Fackler, A.B. 1952, University of Rochester
 William Rush Fackler, A.B. 1952, University of Rochester
 Donald Peter Feeney, B.S. 1952, College of the Holy Cross
 Frank Bartley Flood, B.S. 1952, Manhattan College
 Rulon Newell Ford, B.S. 1952, University of Utah
 John Christian Frank, B.S. 1952, University of Arizona
 Ivan B. Gendzel, A.B. 1952, Cornell University
 Sidney Goldstein, A.B. 1952, Cornell University
 Jack Goodman, A.B. 1952, American International College
 Joseph Grayzel, A.B. 1952, Cornell University
 David Bruce Hayt, A.B. 1952, Cornell University
 Warren Herbert Higgins, Jr., A.B. 1952, Yale University
 Robert James Hubsmith, A.B. 1952, Cornell University
 David McClure Iszard, A.B. 1952, Bowdoin College
 Jerome Lee Jacobs, B.S. 1952, Queens College
 Ramon Rafael Joseph, B.S. 1952, Manhattan College
 Albert Zaven Kapikian, B.S. 1952, Queens College
 James Sanford Ketchum, A.B. 1952, Columbia University
 Donaldson Wright Kingsley, Jr., A.B. 1952, Cornell University
 Stanley Joshua Landau, Cornell University
 Arthur Maurice Levy, A.B. 1952, Harvard University
 David Beekley Lyon, A.B. 1952, University of Mississippi
 Sherburne Merrill Macfarlan, A.B. 1952, Lafayette College
 Donald Fred Mahnke, B.S. 1952, University of Wyoming
 Edward Joseph Margulies, B.S. 1952, Massachusetts Institute of Technology
 James Hamilton Mason, A.B. 1952, DePauw University
 Elizabeth, N.J.
 Columbus, Ohio
 Brooklyn, N.Y.
 Cape Elizabeth, Me.
 Wayzata, Minn.
 St. Albans, N.Y.
 Brooklyn, N.Y.
 Orlando, Florida
 Brooklyn, N.Y.
 Newark, Ohio
 Fort Pierce, Florida
 Plainfield, N.J.
 Plainfield, N.J.
 Long Beach, Calif.
 Schenectady, N.Y.
 Westfield, N.J.
 Erie, Pa.
 Miami, Arizona
 Summit, N.J.
 Mountainside, N.J.
 Hackensack, N.J.
 Lakewood, N.J.
 New York N.Y.
 Brookville, Pa.
 Oak Park, Ill.
 Oak Park, Ill.
 Brooklyn, N.Y.
 Forest Hills, N.Y.
 Farmington, Utah
 Tucson, Arizona
 New York, N.Y.
 Utica, N.Y.
 Springfield, Mass.
 Brooklyn, N.Y.
 Great Neck, N.Y.
 Honolulu, T.H.
 Passaic, N.J.
 Elmira, N.Y.
 New York, N.Y.
 Woodside, N.Y.
 Flushing, N.Y.
 New York, N.Y.
 Hastings, Nebr.
 Cedarhurst, N.Y.
 Saranac Lake, N.Y.
 University, Miss.
 Hawthorne, N.J.
 Keeline, Wyoming
 Brooklyn, N.Y.
 Evanston, Ill.

Richard Key Mead, A.B. 1952, Haverford College	Scarsdale, N.Y.
Mitchell Mills, A.B. 1952, Princeton University	Washington, D.C.
Aubrey Stinson Miree, III, B.S. 1952, Davidson College	Birmingham, Ala.
Mildred Downs Moore, A.B. 1950, Barnard College; M.A. 1952, Mount Holyoke College	Chatham, N.J.
Gerald Terence Moran, A.B. 1952, Cornell University	Bronxville, N.Y.
Robert Roland Morgan, B.S. 1952, St. John's College	Flushing, N.Y.
William Alfred Morgan, Jr., A.B. 1952, Cornell University	Claymont, Dela.
Burton Albert Nault, A.B. 1952, Bowdoin College	Exeter, N.H.
Joan Nesmith, A.B. 1952, Cornell University	Garden City, N.Y.
Mary Alice Newhall, A.B. 1952, Cornell University	Ithaca, N.Y.
Joseph Oren, Cornell University	Kew Gardens Hills, N.Y.
Saverio Joseph Pansarino, A.B. 1952, Columbia University	Orange, N.J.
Carl Black Pollock, Jr., A.B. 1952, Cornell University	Tarentum, Pa.
John Henry Prunier, A.B. 1952, Colgate University	Elmira, N.Y.
Albin Walter Rauch, Jr., A.B. 1952, Princeton University	South Orange, N.J.
William Mitchell Reid, Jr., A.B. 1952, New York University	Waterbury, Conn.
Donald Jeffery Reis, Cornell University	New York, N.Y.
James Richard Sartorius, B.S. 1952, Kansas State College	Summit, N.J.
Stuart Norman Scherr, A.B. 1952, Oberlin College	New Rochelle, N.Y.
Paul Schlein, A.B. 1952, Cornell University	Forest Hills, N.Y.
David Schottenfeld, A.B. 1952, Hamilton College	Ridgewood, N.Y.
George Charles Schussler, B.S. 1952, City College of New York	New York, N.Y.
Eugene Joseph Segre, Cornell University	Woodside, N.Y.
Anne Margaret Shuttleworth, Cornell University	Detroit, Mich.
John Edward Sinning, Jr., A.B. 1952, Cornell University	Marshalltown, Iowa
Frederic Warren Smith, B.S. 1947, Kansas State College	DeLand, Florida
Robert Hayes Stackpole, A.B. 1952, Amherst College	Montclair, N.J.
Peter Maxwell Tillotson, B.S. 1952, University of Utah	Sacramento, Calif.
Richard David Wagoner, A.B. 1952, Carleton College	Northfield, Minn.
Abraham Francis Ward, B.S. 1952, Manhattan College	Brooklyn, N.Y.
Richard Walter Weiskopf, A.B. 1952, Harvard University	New Rochelle, N.Y.
Robert Emmet Whalen, A.B. 1952, College of the Holy Cross	White Plains, N.Y.
Donald Richter Wieche, Miami University	Hamilton, Ohio
John Wynia Winkert, B.S. 1951, Polytechnic Institute of Brooklyn;	
M.S. 1952, University of Rochester	Rochester, N.Y.
John Phillips Young, Cornell University	Rockville Centre, N.Y.

SUMMARY

Fourth year	84
Third year	84
Second year	84
First year	85
Total	337

Register of the Medical College and Sloan-Kettering Staffs

Abel, Jean H.	Medicine	56
Adair, Frank E.	Surgery	81
Adams, Harold B.	Pediatrics	67
Advocate, Seymour	Medicine	56
Akelaitis, Andrew J.	Medicine (Neurology)	53
Allen, Arthur C.	Sloan-Kettering (Pathology)	100
Allen, Edward B.	Psychiatry	73
Almy, Thomas P.	Medicine	53
Alpert, Harry	Psychiatry	73
Alvarez, Daniel A.	Pub. Health & Prev. Med.	76
Anderson, Arthur F.	Pediatrics	67
Anderson, David	Anatomy	48
Antoville, Abraham A.	Medicine	54
Applebaum, Jacob	Surgery	82
Araujo, Jorge	Medicine	56
Arsenault, Armand	Surgery	84
Artusio, Joseph F., Jr.	Surgery	81
Atkinson, Sam C.	Medicine	54
Ayres, William H.	Surgery	82
Baez, Silvio	Medicine	53
Baldwin, Horace S.	Medicine	53
Balensweig, Irvin	Surgery (Orthopedics)	81
Balis, Earl	Sloan-Kettering	98
Ball, Thomas L.	Obstetrics & Gynecology	62
Banister, George B.	Surgery	82
Baras, Irving	Surgery	82
Barbu, Valer	Psychiatry	73
Barish, Julian I.	Psychiatry	73
Barnes, William A.	Surgery	81
Barnett, Henry L.	Pediatrics	67
Barr, David	Surgery	84
Barr, David P.	Medicine	53
Barrett, Martha J.	Physiology	71
Baumgartner, Leona	Pub. Health & Prev. Med.; Pediatrics	76, 67
Beasley, Jean T.	Pediatrics	67
Beer, C. T.	Sloan-Kettering	98
Becker, David V.	Sloan-Kettering	99
Behrman, Stanley J.	Surgery	82
Belcher, Anne M.	Surgery	82
Bendich, Aaron	Sloan-Kettering (Biochemistry)	98
Beneventi, Francis A.	Surgery	82
Berenberg, Samuel R.	Pub. Health & Prev. Med.; Pediatrics	67, 76
Berkeley, Ruth P.	Medicine	54
Berle, Beatrice	Medicine; Pub. Health & Prev. Med.	54, 76

Berlin, Louis	Medicine	54
Berntsen, Carl A., Jr.	Medicine	56
Berry, Charles M.	Anatomy	48
Beyer, Harold	Sloan-Kettering (Biophysics)	99
Biesle, John J.	Sloan-Kettering (Biology)	98
Bilisy, Frank N., III	Medicine	56
Billo, Otto E.	Pediatrics	67
Binger, Carl A.	Psychiatry	73
Binkley, George E.	Surgery	81
Birnbaum, Stanley J.	Obstetrics & Gynecology	62
Bodansky, Oscar	Sloan-Kettering (Biochemistry)	98
Bogatko, Frances H.	Pub. Health & Prev. Med.	76
Bonnett, Sara A.	Psychiatry	73
Bonsnes, Roy W.	Biochemistry; Obs.-Gyn.	51, 62
Bowden, Lemuel	Surgery	82
Bowe, John J.	Surgery	82
Boyce, Kenneth C.	Medicine	56
Boynton, Perry S., Jr.	Obstetrics & Gynecology	62
Bradlow, H. Leon	Sloan-Kettering	98
Braveman, Warren S.	Medicine	56
Breed, Charles N., Jr.	Surgery	82
Breen, David S.	Surgery	84
Brewer, McHenry S.	Surgery	84
Brice, Mitchell	Surgery	84
Brill, I. William	Psychiatry	74
Brittingham, Thomas E.	Medicine	56
Brodman, Kevve	Medicine	53
Brooking, Donald G. W.	Medicine; Military Medicine	56, 87
Bross, Irwin D. J.	Pub. Health & Prev. Med.	76
Brown, George B.	Sloan-Kettering (Biochemistry)	98
Brown, Veronica C.	Medicine	54
Browne-Mayers, Albert N.	Psychiatry	73
Brunschwig, Alexander	Surgery	81
Brush, A. Louise	Psychiatry	73
Buchan, Douglas J.	Medicine	56
Buchman, Myron I.	Obstetrics & Gynecology	62
Buckstein, Jacob	Medicine	53
Bulmer, Malcolm W.	Surgery	82
Burchenal, Joseph H.	Sloan-Kettering (Medicine)	99
Burke, Grafton E.	Medicine	54
Burke, William H.	Obstetrics & Gynecology	62
Burkhardt, Edward A.	Medicine	54
Burnett, Harry W.	Radiology	79
Butler, Katharine	Medicine	53
Byers, Robert J.	Surgery	84
Caceres, Eduardo	Radiology	79
Cahan, William G.	Surgery	82
Caires, Martha K.	Pathology	65
Capidagli, Andre S.	Radiology	79
Cardon, Philippe V., Jr.	Medicine	56
Carey, Thomas I.	Surgery	82
Carlen, Alexander	Psychiatry	74
Carlson, Arthur S.	Pathology	65
Carlson, Eric T.	Psychiatry	74
Carpenter, Walter T., Jr.	Pediatrics	67

Carr, Henry A.	Medicine	53
Carter, Anne C.	Medicine	53
Cary, William H.	Obstetrics & Gynecology	62
Cathey, William J.	Biochemistry	51
Catlin, Daniel	Surgery	82
Cattell, McKeen	Pharmacology	69
Cavaliere, Liebe F.	Sloan-Kettering (Biochemistry)	98
Cecil, Russell L.	Medicine (Emeritus)	9
Chaves, Aaron D.	Pub. Health & Prev. Med.; Medicine	53, 76
Child, Charles G., III	Surgery	81
Choucroun, Nine	Pub. Health & Prev. Med.	76
Chu, Florence Chien-Hwa	Radiology	79
Cipollaro, Anthony C.	Medicine (Dermatology)	53
Clarke, Donald A.	Sloan-Kettering	98
Coats, Edward C.	Surgery	82
Cobb, Clement B. P.	Pediatrics	67
Cobb, John R.	Surgery (Orthopedics)	81
Cohen, Eugene J.	Medicine	56
Cole, John T.	Obstetrics & Gynecology	62
Coley, Bradley L.	Surgery	81
Collins, Harvey S.	Sloan-Kettering	99
Console, Arthur D.	Surgery (Neurosurgery)	81
Constantine, Elizabeth F.	Surgery	82
Conte, Alexander	Surgery	82
Conway, Herbert	Surgery	81
Cooper, Howard N.	Psychiatry	73
Cooper, William	Surgery (Orthopedics)	81
Cooper, William A.	Surgery	81
Cormia, Frank E.	Medicine (Dermatology)	53
Cornell, Carlton M.	Surgery	82
Cornell, George N.	Surgery	84
Cornell, Nelson W.	Surgery	81
Cotton, John M.	Psychiatry	73
Craig, Robert L.	Obstetrics & Gynecology	62
Craver, Lloyd F.	Medicine	53
Crissey, Eleanor	Psychiatry	73
Daniel, William W.	Surgery	82
Daniels, Helen E.	Psychiatry	73
Dann, Margaret	Pediatrics	67
Dargeon, Harold W. K.	Pediatrics	67
Davidson, Murray	Pediatrics	67
Davis, Bernard D.	Pub. Health and Prev. Med.	76
Davis, Daniel W.	Surgery	84
Davis, Jeff	Medicine	54
Davis, Marion	Medicine	54
Davis, William	Obstetrics & Gynecology	62
Day, Emerson	Pub. Health & Prev. Med.	76
Deans, Robert D.	Surgery	82
Deddish, Michael R.	Surgery	81
de Gara, Paul F.	Pathology; Pediatrics	65, 67
DeHaven, Hugh R.	Pub. Health & Prev. Med.	76
Deitrick, John E.	Medicine	53
Denker, Peter G.	Medicine (Neurology)	53
Dennen, Edward H.	Obstetrics & Gynecology	62
Denues, A. R. T.	Sloan-Kettering	98

Despert, J. Louise	Psychiatry	73
DeWinter, Christian	Obstetrics & Gynecology	62
Diamond, Henry D.	Medicine	54
Diamond, Monroe T.	Medicine	54
Diehl, Carolyn H.	Medicine	56
Diethelm, Oskar	Psychiatry	73
Dillon, Thomas F.	Obstetrics & Gynecology	62
Dingwall, James A., III	Surgery	81
Doig, Ronald K.	Medicine	56
Dorman, Philip J.	Physiology	71
Dougherty, John W.	Medicine	54
Douglas, R. Gordon	Obstetrics & Gynecology	62
Draper, John W.	Surgery (Urology)	81
Dreishpoon, Irving H.	Obstetrics & Gynecology	63
Drew, J. Edwin	Surgery	83
Dreyfus, Pierre M.	Medicine	56
DuBois, Eugene F.	Physiology (Emeritus)	9
DuBois, Robert O.	Pediatrics	67
Dudley, Guilford S.	Surgery	81
Duley, Wade	Surgery	83
Dunbar, Howard S.	Surgery	83
Dunlap, Edward A.	Surgery (Ophthalmology)	81
Dunn, William H.	Psychiatry	73
Dunning, Henry S.	Medicine (Neurology)	53
du Vigneaud, Vincent	Biochemistry	51
Dworetzky, Murray	Medicine	54
Dyer, Charles F.	Surgery	84
Eckardt, Robert E.	Medicine	54
Eckel, John H.	Surgery	81
Eder, Howard A.	Medicine	54
Edwards, Dayton J.	Physiology (Emeritus); Sec'y of Faculty	7, 9
Edwards, Herbert R.	Pub. Health & Prev. Med.	76
Egan, George F.	Surgery	81
Eggleston, Cary	Medicine	53
Eichenwald, Heinz F.	Pediatrics	67
Eisenbud, Mark	Medicine	56
Eliasberg, Helene	Pediatrics	67
Ellis, John T.	Pathology; Surgery	65, 82
Ellison, Rose-Ruth	Sloan-Kettering	99
Elmendorf, DuMont F., Jr.	Medicine	54
Engle, Mary A.	Pediatrics	67
Engle, Ralph L., Jr.	Medicine	54
Epstein, Nathan	Pediatrics	67
Erdman, Albert J., Jr.	Medicine	54
Erlandson, Marion E.	Pediatrics	68
Escher, George C.	Sloan-Kettering	99
Espinosa, Armando M.	Surgery	83
Etz, Samuel I.	Obstetrics & Gynecology	63
Evans, John A.	Radiology	79
Evarts, Edward V.	Psychiatry	74
Ewing, James H.	Pub. Health & Prev. Med.	76
Falk, Emil A.	Medicine	54
Farber, Milton	Psychiatry	73
Farmer, Lawrence	Medicine	54

Farr, Hollon W.	Surgery	83
Farrell, Frank W.	Surgery	83
Farrow, Joseph H.	Surgery	82
Feder, Aaron	Medicine	54
Ferguson, Frank C., Jr.	Pharmacology	69
Ferraro, Thomas J.	Surgery	84
Fiedler, George A.	Surgery (Urology)	82
Fincher, Esther M.	Medicine	56
Fink, Austin I.	Surgery	83
Finn, William F.	Obstetrics & Gynecology	62
Fitzgerald, Patrick	Sloan-Kettering (Pathology)	100
Fjelde, Audrey	Sloan-Kettering	98
Fleetwood, M. Freile	Psychiatry	73
Fleischmann, Edgar P.	Surgery	83
Focht, Elizabeth F.	Radiology (Physics)	79
Foley, William T.	Medicine	54
Foot, N. Chandler	Surgical Pathology (Emeritus)	9
Foote, Frank W., Jr.	Sloan-Kettering (Pathology)	100
Foote, Franklin M.	Pub. Health & Prev. Med.	76
Forkner, Claude E.	Medicine	53
Fraad, Lewis M.	Pediatrics	67
Franklin, John E.	Pediatrics	67
Fraser, Alan W.	Psychiatry	73
Frazell, Edgar L.	Surgery	82
Free, Edward A.	Surgery	84
Freund, Jules	Pathology	65
Freyberg, Richard H.	Medicine	53
Friend, Charlotte	Sloan-Kettering	98
Friess, Constance	Medicine	54
Fukushima, David K.	Sloan-Kettering (Biochemistry)	98
Furlong, Paul J.	Medicine	56
Gabel, Milton	Surgery	83
Gallagher, Thomas F.	Sloan-Kettering (Biochemistry)	98
Garb, Solomon	Pharmacology	69
Garrick, Thomas J.	Surgery	83
Gause, Ralph W.	Obstetrics & Gynecology	62
Genghof, Dorothy S.	Biochemistry	51
Genvert, Harold	Surgery	82
Geohegan, William A.	Anatomy	48
Gepfert, Randolph	Obstetrics & Gynecology	62
Gersh, Marvin J.	Pediatrics	67
Gerson, Martin J.	Psychiatry	73
Gerster, John C. A.	Surgery	82
Gibbons, John Martin	Medicine	54
Gilder, Helena	Biochemistry; Surgery	51, 82
Gilroy, Francis J.	Medicine	56
Giorgi, Elsie A.	Medicine	54
Given, William P.	Obstetrics & Gynecology	62
Glassman, Oscar	Obstetrics & Gynecology	62
Glenn, Frank	Surgery	81
Glynn, Martin J.	Pediatrics	67
Goff, Byron H.	Obstetrics & Gynecology	62
Gold, Harry	Pharmacology	69
Goldberg, Henry P.	Pediatrics	67
Goldstein, Oscar	Medicine	54

Goodell, Helen	Medicine	56
Goodridge, Malcolm	Medicine (Emeritus)	9
Goodwin, Laurance D.	Biochemistry	51
Goodyear, Stephen	Psychiatry	73
Gordon, Dan M.	Surgery (Ophthalmology)	82
Gordon, Samuel	Biochemistry	51
Grace, William J.	Medicine	54
Gray, James G.	Surgery	84
Greaves, Donald C.	Psychiatry	73
Greeley, Arthur V.	Obstetrics & Gynecology	62
Green, James L.	Surgery	83
Greenacre, Phyllis	Psychiatry	73
Greenberg, Sidney M.	Medicine	54
Greene, Theodore C.	Anatomy	48
Greiner, Theodore H.	Pharmacology	69
Gribetz, Joel	Medicine	56
Guenard, Eugene J.	Surgery	83
Guion, Connie M.	Medicine (Emeritus)	9
Gussen, John	Psychiatry	74
Guthrie, Keith O., Jr.	Medicine	54
Guthrie, Robert	Sloan-Kettering	98
Hadley, Susan J.	Medicine	54
Hagamen, Wilbur D.	Anatomy	48
Halsey, Hugh	Obstetrics & Gynecology	62
Hamilton, Francis J.	Psychiatry	73
Hamilton, Leonard D.	Sloan-Kettering	99
Hanlon, Lawrence W.	Assistant Dean; Anatomy	7, 48
Hansson, Kristian G.	Surgery (Physiotherapy)	81
Haralambie, James Q.	Pediatrics	67
Hardy, James D.	Physiology	71
Harland, Margaret	Sloan-Kettering	98
Harrar, James A.	Obstetrics & Gynecology (Emeritus)	9
Harrington, Helen	Pediatrics	67
Harris, Richard L.	Psychiatry	73
Harrison, Charles S.	Surgery	84
Harrison, James S.	Surgery	83
Harrold, Charles C., Jr.	Surgery	83
Hatterer, Lawrence J.	Psychiatry	74
Hauser, Edwin T.	Medicine	53
Hauser, Louis A.	Medicine	54
Hausman, Louis	Medicine (Neurology)	53
Hausman, Robert	Pathology	65
Havel, Richard J.	Medicine	55
Hawkins, W. Hall	Obstetrics & Gynecology	62
Hays, Daniel M.	Surgery	84
Hays, David S.	Medicine	55
Hehre, Edward J.	Bacteriology & Immunology	50
Heimoff, Leonard L.	Medicine	55
Heinzen, Bruce R.	Surgery	83
Hellman, Leon D.	Sloan-Kettering (Medicine)	99
Helper, Helen N.	Pediatrics	67
Helpern, Herman G.	Medicine	55
Helpern, Milton	Medicine; Pathology	54, 65
Henley, Thomas F.	Psychiatry	73
Henry, George W.	Psychiatry	73

Herrmann, Otto	Medicine	56
Hersh, Alexander	Surgery	84
Hetzel, Basil S.	Medicine	56
Hiatt, Howard H.	Medicine	56
Higinbotham, Norman L.	Surgery	82
Hinkle, Lawrence E., Jr.	Medicine	54
Hinsey, Joseph C.	Dean; Anatomy	7, 48
Hobson, Lawrence B.	Medicine	55
Holden, Jack	Surgery	84
Hollander, Vincent P.	Sloan-Kettering (Medicine)	99
Holman, Cranston W.	Surgery	81
Holman, James M.	Surgery	83
Holswade, George R.	Surgery	83
Holt, Evelyn	Medicine	54
Honig, Edward I.	Medicine	56
Hood, Claude I.	Pathology	65
Hood, Henry L.	Surgery	84
Hooker, Russell H.	Surgery	83
Hopper, Mary Ellen	Medicine	56
Horger, Eugene L.	Medicine	55
Houde, Raymond W.	Sloan-Kettering (Medicine)	99
Howe, Suzanne A. L.	Surgery	83
Huebner, Robert D.	Medicine	55
Humphreys, Gustavus A.	Surgery (Urology)	82
Hunt, Frederick C.	Pediatrics	67
Hutchison, Dorris J.	Sloan-Kettering	98
Hynes, Frank J.	Surgery	83
Jacobsen, Leif Y.	Medicine	55
Jacques, John A.	Sloan-Kettering	98
Jameison, Gerald R.	Psychiatry	73
Jaspin, George	Radiology	79
Javert, Carl T.	Obstetrics & Gynecology	62
Jeffreys, William H.	Medicine	57
Jensen, D. Rees	Surgery	82
Johnson, Donald G.	Obstetrics & Gynecology	62
Johnson, Robert A.	Surgery	83
Johnson, Scott	Medicine	55
Joslin, Doyle	Surgery	82
Joyner, Edmund N., III	Pediatrics	67
Kahn, Morton C.	Pub. Health & Prev. Med.	76
Kammerer, William H.	Medicine	55
Kane, Francis D.	Psychiatry	73
Kantor, Herbert G.	Radiology	79
Kany, Alfred W.	Radiology	79
Kao, Chien-Yuan	Pathology	65
Kaplan, Lawrence I.	Medicine	55
Kappas, Attallah	Sloan-Kettering	98
Karl, Richard C.	Surgery	83
Karnofsky, David A.	Sloan-Kettering (Medicine)	99
Katzenellenbogen, Estella	Sloan-Kettering	98
Kauer, George L., Jr.	Medicine	54
Kauer, Joseph T.	Surgery	83
Kean, Benjamin H.	Medicine	54
Keefer, Edward B. C.	Surgery	83

Keegan, James M.	Radiology	79
Kelley, Samuel F.	Surgery (Otolaryngology)	82
Kellner, Aaron	Pathology	65
Kelly, James T.	Surgery	83
Kemp, Walter W.	Psychiatry	74
Kensler, Charles J.	Pharmacology	69
Kent, Ann P.	Obstetrics & Gynecology; Pub. Health & Prev. Med.	62, 76
Kerns, Thomas C., Jr.	Surgery	84
Kidd, Edward G.	Medicine	56
Kidd, John G.	Pathology	65
Kirkham, Frederic T., Jr.	Medicine	56
Kirkland, Henry B.	Medicine	55
Kirkpatrick, Price A.	Psychiatry	73
Klebanoff, Seymour G.	Psychiatry	73
Klumpp, Margaret	Medicine	54
Knehr, Charles A.	Psychiatry	73
Knight, J. Vernon	Medicine	55
Koch, Henry J., Jr.	Sloan-Kettering (Medicine)	99
Koenig, Hedwig	Pediatrics	67
Kohl, Richard N.	Psychiatry	73
Koprowska, Irena	Anatomy	48
Korngold, Leonhard	Sloan-Kettering	98
Korsch, Barbara M.	Pediatrics	67
Koteen, Herbert	Medicine	55
Koteen, Phyllis H.	Pediatrics	67
Kramer, Elmer E.	Obstetrics & Gynecology	62
Kramer, Milton L.	Medicine	54
Kritchevsky, Theodore H.	Sloan-Kettering	98
Kuchinskas, Edward J.	Biochemistry	51
Kugler, Margaret M.	Pediatrics	68
Kwit, Nathaniel T.	Pharmacology	69
Labbe, Joseph P.	Surgery	84
La Due, John S.	Medicine	54
Lake, Michael	Medicine	55
LaMar, Norvelle C.	Psychiatry	73
Lampe, Ernest W.	Anatomy; Surgery	48, 82
Landesman, Robert	Obstetrics & Gynecology	62
Langner, Helen P.	Psychiatry	73
Lapham, Roger F.	Medicine	55
LaRochelle, Guy Y.	Psychiatry	74
LaSorte, Antonio F.	Surgery	84
Lauson, Henry D.	Pediatrics; Physiology	67, 71
Lawler, R. Claire	Biochemistry	51
Lawrence, Jerome	Surgery	84
Lawton, Richard W.	Physiology	71
Leder, Harold L.	Medicine	55
Lee, Richard E.	Medicine	55
Leeds, Norma	Sloan-Kettering	98
Leighton, Alexander Hamilton	Psychiatry	73
LeMaistre, Charles A.	Medicine	55
Lemcke, Dorothea	Medicine	55
Leone, Louis A.	Sloan-Kettering	99
L'Esperance, Elise S.	Pub. Health & Prev. Med. (Emeritus)	9
Levine, Leon I.	Medicine	54

Levine, Milton I.	Pediatrics	67
Levine, Samuel Z.	Pediatrics	67
Lewis, George M.	Medicine (Dermatology)	53
Lewis, John S.	Surgery	83
Ley, Allyn B.	Medicine	55
Lichtman, S. S.	Medicine	54
Lieberman, Jerrold S.	Medicine	55
Liebolt, Frederick L.	Surgery (Orthopedics)	81
Lincoln, Asa L.	Medicine	53
Lintz, Robert M.	Medicine	55
Lipkin, Martin	Physiology	71
Livingstone, Ernest T.	Medicine	57
Loebel, Robert O.	Medicine	55
Loseke, Lucile	Surgery	83
Loveless, Mary E. H.	Medicine (Allergy)	53
Luckey, E. Hugh	Medicine	54
Lukas, Daniel S.	Medicine	55
MacFee, William F.	Surgery	81
MacLeod, John	Anatomy; Physiology	48, 71
McAuliffe, Gervais W.	Surgery (Otolaryngology)	81
McCandlish, Howard S.	Obstetrics & Gynecology	62
McClenahan, John L.	Radiology	79
McClure, Roy D.	Surgery	83
McCombs, A. Parks	Medicine	55
McCormack, Richard R.	Medicine	55
McCune, Robert M.	Medicine	56
McDermott, Walsh	Medicine	53
McDevitt, Ellen	Medicine	57
McGowan, Frank J.	Surgery	82
McGrath, John F.	Psychiatry	74
McIlveen, Marion	Pediatrics	67
McKenna, Robert J.	Surgery	84
McLane, Charles M.	Obstetrics & Gynecology	62
McLarn, William D.	Obstetrics & Gynecology	63
McLean, John M.	Surgery (Ophthalmology)	81
McLellan, Allister M.	Surgery (Urology)	81
McLellan, Frederick C.	Surgery (Urology)	82
McNamara, Helen	Pediatrics	68
McNeer, Gordon	Surgery	82
Magida, Melville G.	Physiology	71
Maisel, Bernard	Surgery	83
Marbury, Benjamin E.	Surgery	83
Marchand, John F.	Medicine	55
Marshall, Florence N.	Pediatrics	67
Marshall, Victor F.	Surgery (Urology)	81
Martin, Hayes E.	Surgery	81
Martin, Herbert L.	Medicine	55
Martin, Kirby	Medicine	55
Mazur, Abraham	Medicine	54
Mazzia, Valentino D.	Surgery	84
Meacham, Charles T.	Surgery	83
Mehler, Leopold	Surgery	83
Melchionna, Robert H.	Medicine	55
Mellors, Robert C.	Sloan-Kettering (Biology)	98
Melville, Donald B.	Biochemistry	51

Mendelsohn, Mortimer L.	Sloan-Kettering	99
Mendelson, Curtis L.	Obstetrics & Gynecology	62
Mercer, Mary E.	Pediatrics; Psychiatry	67, 73
Milhorat, Ade T.	Medicine; Psychiatry	53, 73
Miller, Charles J.	Surgery	83
Miller, Raymond E.	Medicine	55
Miller, Theodore R.	Surgery	83
Milman, Anne	Psychiatry	73
Mindlin, Rowland L.	Pediatrics	67
Miscall, Laurence	Surgery	82
Modell, Walter	Pharmacology	69
Moench, L. Mary	Medicine	55
Moffitt, Francis X.	Obstetrics & Gynecology	63
Molander, David W.	Medicine	57
Money, William L.	Sloan-Kettering (Biology)	98
Moore, Alice E.	Sloan-Kettering (Biology)	98
Moore, James A.	Surgery (Otolaryngology)	81
Moore, Oliver S.	Surgery	83
Moore, S. W.	Surgery	81
Morrill, Charles V.	Anatomy	48
Mulrow, Patrick J.	Medicine	57
Munroe, William G. C.	Medicine	57
Murphy, M. Lois	Sloan-Kettering	99
Murphy, Willis A.	Medicine	55
Muschenheim, Carl	Medicine	53
Nathanson, Joseph N.	Obstetrics & Gynecology	62
Needy, Carl K.	Medicine	57
Negrin, Juan	Surgery	83
Neill, James M.	Bacteriology & Immunology	50
Nelson, Dewey A.	Medicine	57
Nestler, Warren B.	Medicine	55
Neuman, Robert E.	Sloan-Kettering	98
New, Elizabeth V.	Pediatrics	68
Nickel, William F., Jr.	Surgery	81
Nickerson, Kenneth G.	Obstetrics & Gynecology	63
Nickson, James J.	Sloan-Kettering (Radiology)	100
Nielsen, Jens	Sloan-Kettering (Radiology)	100
Noback, Richardson K.	Medicine	55
Norton, Edward W. D.	Surgery	84
Oberholzer, Emil	Psychiatry	73
Ogilvie, John B.	Surgery	83
Olcott, Charles T.	Pathology	65
Oljenick, Ignaz W.	Medicine (Neurology)	57
Ollstein, Philip	Pub. Health & Prev. Med.	76
O'Neill, Earl A.	Surgery	83
Opie, Eugene L.	Pathology (Emeritus)	9
Oppel, Theodore W.	Medicine	53
O'Regan, Charles H.	Pediatrics	67
Ormond, Louise H.	Medicine	56
Ostwald, Peter F.	Psychiatry	74
O'Sullivan, Ward D.	Surgery	82
Otken, Charles C.	Biochemistry	51
Overman, Ralph S.	Medicine	54

MEDICAL COLLEGE STAFF

121

Pack, George T.	Surgery	81
Palmer, Arthur	Surgery (Otolaryngology)	81
Papanicolaou, George	Anatomy (Emeritus)	9
Paquin, Albert J.	Surgery	83
Pardee, Harold E. B.	Medicine	53
Parsons, Herbert	Surgery	82
Patterson, Marjorie B.	Medicine	55
Patterson, Robert L.	Surgery (Orthopedics)	82
Patterson, Russel H.	Surgery	81
Payne, Mary Ann	Medicine	54
Pearce, John M.	Pathology; Surgery	65, 81
Pearson, Olof H.	Sloan-Kettering (Medicine)	99
Pearson, T. Arthur	Radiology	79
Peck, Robert E.	Psychiatry	74
Pennington, Thomas G.	Medicine	57
Perrone, Francis S.	Medicine	57
Person, E. Cooper, Jr.	Surgery	81
Petermann, Mary L.	Sloan-Kettering (Biochemistry)	98
Phillips, Frederick S.	Sloan-Kettering	98
Phillips, Ralph F.	Radiology	79
Pierce, Virginia K.	Obstetrics & Gynecology	62
Pitts, Robert F.	Physiology	71
Plummer, Norman	Medicine	54
Pool, John L.	Surgery	82
Poppell, James W.	Sloan-Kettering	99
Pressman, David	Sloan-Kettering (Biochemistry)	98
Pride, Henry H.	Pediatrics	68
Pritchett, R. A. Rees	Medicine	55
Prout, Curtis T.	Psychiatry	73
Rachele, Julian R.	Biochemistry	51
Rackow, Leon L.	Psychiatry	73
Randall, Henry T.	Sloan-Kettering (Surgery)	101
Rapak, Michael	Surgery	83
Rawson, Rulon W.	Sloan-Kettering (Medicine)	99
Ray, Bronson S.	Surgery	81
Reader, George G.	Medicine; Pharmacology	54, 69
Redo, S. Frank	Surgery	84
Rees, Thomas D.	Surgery	84
Reilly, H. Christine	Sloan-Kettering	98
Reilly, Joseph F.	Pharmacology	69
Rennie, Thomas A. C.	Psychiatry	73
Ressler, Charles H.	Medicine	55
Ressler, Charlotte	Biochemistry	51
Reznikoff, Paul	Medicine	53
Rhoads, Cornelius P.	Sloan-Kettering (Pathology)	100
Richardson, Eric C.	Surgery	83
Richardson, Henry B.	Medicine	53
Richardson, Howard L.	Sloan-Kettering (Pathology)	100
Richter, Goetz W.	Pathology	65
Rigney, Thomas G.	Pub. Health & Prev. Med.	76
Riker, Walter F., Jr.	Pharmacology	69
Riley, Edgar A.	Medicine	55
Rinzler, Seymour H.	Pharmacology	69
Rizzo, Peter C.	Surgery (Orthopedics)	82
Robbins, Guy F.	Surgery	83

Robbins, Jacob	Medicine	55
Robbins, William C.	Medicine	55
Roberts, Carlton W.	Biochemistry	51
Roberts, Kathleen R.	Sloan-Kettering	98
Robertson, Theodore	Pathology	65
Rockwell, Fred V.	Psychiatry	73
Rogatz, Peter	Medicine	56
Rogoff, Julius L.	Medicine	55
Roll, Paul M.	Sloan-Kettering (Biochemistry)	98
Roseman, David M.	Medicine	57
Rosenfeld, Robert	Sloan-Kettering	98
Rosensohn, Meyer	Obstetrics & Gynecology	62
Rothbard, Sidney	Medicine	53
Rubin, Albert L.	Medicine	55
Sabbatino, Joseph F.	Medicine	55
Sackett, Nelson B.	Obstetrics & Gynecology	62
Salamon, Ivan I.	Sloan-Kettering	98
Samuels, Bernard R.	Surgery (Ophthalmology) (Emeritus)	9
Scanlan, Theresa	Medicine	55
Schaefer, George	Obstetrics & Gynecology	62
Schaffer, Shirley	Psychiatry	74
Scharnagel, Isabel M.	Surgery	83
Schillinger, Arnold A.	Psychiatry	74
Schlamowitz, Max	Sloan-Kettering	98
Schloss, Oscar M.	Pediatrics (Emeritus)	9
Schmidlapp, Carl J., III	Surgery	83
Schmidt, John G.	Surgery (Orthopedics)	82
Schneider, Rudolf	Sloan-Kettering	98
Schottstaedt, William W.	Medicine	56
Schulman, Irving	Pediatrics	67
Schwartz, Hans J.	Medicine (Dermatology) (Emeritus)	9
Schwartz, Irving	Radiology	79
Selby, Henry M.	Radiology	79
Seybolt, John F.	Anatomy	48
Sheard, Charles	Medicine	55
Shepard, Edward M.	Medicine	55
Sheppard, Erwin	Medicine	54
Sherfey, Mary J.	Psychiatry	74
Sherman, Robert S.	Radiology	79
Sherwin, Albert C.	Psychiatry	74
Shorr, Ephraim	Medicine	53
Shultz, Selma M.	Medicine	56
Siegel, Malcolm	Sloan-Kettering	98
Simon, Eugene P.	Medicine	56
Simons, Donald J.	Medicine; Psychiatry	53, 74
Sinclair, Harry A.	Medicine	56
Slater, Beatrice S.	Pediatrics	67
Sleisinger, Marvin H.	Medicine	56
Smedley, Lois M.	Pediatrics	67
Smillie, Wilson G.	Pub. Health & Prev. Med.	76
Smith, Berton P.	Medicine	57
Smith, Carl H.	Pediatrics	67
Smith, Erwin F.	Obstetrics & Gynecology	63
Smith, Frank R.	Obstetrics & Gynecology	62
Smith, J. James	Medicine	54

Smith, Martha L.	Pediatrics	67
Snodgrass, John J.	Radiology	79
Snyder, Charles T.	Obstetrics & Gynecology	62
Snyder, Ruth E.	Radiology	79
Snyder, Stuart S.	Surgery (Ophthalmology)	82
Soloway, Albert H.	Sloan-Kettering	98
Sonenberg, Martin	Sloan-Kettering (Medicine)	99
Sonkin, Lawrence S.	Medicine	57
Southam, Chester M.	Sloan-Kettering (Medicine)	99
Speer, David S.	Surgery	83
Spellman, Robert M.	Surgery	84
Spielman, Aaron D.	Medicine	55
Spier, I. Robert	Surgery	84
Spitz, Sophie	Sloan-Kettering (Pathology)	100
Stanton, Carey	Pathology	65
Stanton, Edward F.	Obstetrics & Gynecology	62
Stark, Richard B.	Surgery (Plastic Surgery)	82
Stearns, Maus W., Jr.	Surgery	83
Steinberg, A. Harell	Medicine	56
Steinberg, Herman	Medicine	56
Steinberg, Israel	Medicine; Radiology	54, 79
Stephens, Richmond	Surgery (Orthopedics)	81
Sternberg, Stephen S.	Sloan-Kettering	100
Stevens, Alexander R.	Surgery (Urology) (Emeritus)	9
Stevenson, Carl R.	Medicine	56
Stevenson, Lewis D.	Pathology; Medicine (Neurology)	54, 65
Stewart, Fred W.	Sloan-Kettering (Pathology)	100
Stewart, Harold J.	Medicine	53
Stillerman, Maxwell	Pediatrics	67
Stimson, Philip M.	Pediatrics	67
Stock, C. Chester	Sloan-Kettering (Biochemistry)	98
Stoll, Alice M.	Physiology	71
Stopps, Gordon J.	Pathology	65
Straub, Lee R.	Surgery	83
Straub, Leonard R.	Psychiatry	74
Struve, John F.	Surgery	83
Stubenbord, William D.	Medicine	55
Stubington, David	Pathology	65
Sugg, John Y.	Bacteriology & Immunology	50
Suh, Succjo	Medicine	57
Sullivan, Joseph D.	Psychiatry	74
Sullivan, W. James	Physiology	71
Sunderland, Douglas	Sloan-Kettering	100
Sutherland, Arthur M.	Medicine	54
Sutter, James T.	Medicine	55
Sutton, John E.	Surgery	82
Sved, Dorothy W.	Sloan-Kettering	99
Swan, Roy C.	Physiology	71
Sweeney, Lawrence	Medicine	57
Sweeney, William J.	Obstetrics & Gynecology	63
Sweet, Joshua E.	Experimental Surgery (Emeritus)	9
Swift, Katharine W.	Medicine	55
Sykes, Marguerite	Sloan-Kettering	99
Syz, Hans	Psychiatry	74

Taft, Lawrence T.	Pediatrics	68
Tagnon, Henry J.	Medicine	53
Taussky, Hertha H.	Medicine	56
Taylor, Alexander	Medicine	56
Taylor, Sterling	Biochemistry	51
Temple, Harold L.	Radiology	79
Thompson, David D.	Physiology	71
Thompson, Hartwell G., Jr.	Medicine	57
Thompson, T. Campbell	Surgery (Orthopedics)	81
Thorbjarnarson, Bjorn	Surgery	84
Timpanelli, Alphonse E.	Medicine	54
Tollefsen, H. Randall	Surgery	83
Tolstoi, Edward	Medicine	53
Tompsett, Ralph	Medicine	53
Toolan, Helene W.	Sloan-Kettering (Pathology)	100
Topkins, Marjorie J.	Surgery	84
Torda, Clara	Medicine	54
Torre, Douglas P.	Medicine	55
Toscani, Vincent A.	Medicine	56
Travell, Janet	Pharmacology	69
Travis, John H.	Psychiatry	73
Treves, Norman L.	Surgery	82
Troutman, Richard C.	Surgery	83
Tulin, Maurice	Medicine	56
Tulloch, John A.	Medicine	56
Tweddel, George	Surgery	83
Twinem, Francis P.	Surgery (Urology)	82
Twiss, J. Russell	Medicine	56
Tyhurst, James S.	Psychiatry	73
Tyndall, Marian	Medicine	56
Urban, Jerome A.	Surgery	83
Valentine, E. Henry	Obstetrics & Gynecology	63
Valergakis, Frederick E. G.	Medicine	56
Vogel, F. Stephen	Pathology; Surgery	65, 82
vom Eigen, Paul R.	Medicine	57
VomSaal, Frederick	Surgery	83
Voorhees, William D.	Psychiatry	73
Wade, Preston A.	Surgery	81
Wadsworth, Morton	Psychiatry	74
Wagner, Lewis C.	Surgery (Orthopedics)	81
Wall, James H.	Psychiatry	73
Wallis, Lila A.	Medicine	57
Wantz, George E., Jr.	Surgery	84
Warner, Nathaniel	Psychiatry	74
Watson, Robert F.	Medicine	53
Watson, William L.	Surgery	82
Way, Howard	Surgery	84
Weber, Frederick C., Jr.	Medicine	56
Webster, Bruce P.	Medicine	53
Weeden, Willis M.	Surgery; Pub. Health & Prev. Med.	76, 83
Weeks, Donald L.	Surgery	84
Weinbaum, Jerome A.	Obstetrics & Gynecology	63
Weinfeld, Herbert	Sloan-Kettering	98
Weintraub, Sydney	Radiology	79

MEDICAL COLLEGE STAFF

125

Weinstock, Irwin M.	Psychiatry	74
Weisenfeld, Shirley	Sloan-Kettering	99
Welch, Livingston	Psychiatry	73
Wellemeier, Jane E.	Pediatrics	68
Welsch, Exie Elizabeth	Psychiatry	73
Werner, Charles A.	Medicine	56
Werner, Erwin A.	Medicine	56
Wertz, Frederick J.	Psychiatry	74
West, Charles D.	Sloan-Kettering (Medicine)	99
West, John P.	Surgery	82
Westley, Kent F.	Radiology	79
Wetchler, Martin S.	Radiology	79
Wetzig, Paul C.	Surgery	83
Weymuller, Louis E.	Pediatrics	67
Wheatley, Marjorie A.	Pediatrics	67
Wheeler, Charles H.	Medicine	54
White, Stephen	Radiology	79
Whitmore, Willet F., Jr.	Surgery (Urology)	82
Whitney, Doris S.	Pediatrics	67
Wielawski, Joseph S.	Psychiatry	74
Wierum, Carl	Medicine	57
Wilber, Mary M.	Medicine	57
Wilder, Joseph R.	Surgery	84
Willard, Harold N.	Medicine; Pub. Health & Prev. Med.	56, 76
Williams, Byard	Medicine	54
Wilson, May G.	Pediatrics	67
Wilson, Philip D.	Surgery (Orthopedics)	81
Wilson, Philip D., Jr.	Surgery	84
Wingebach, Wilfred D.	Surgery	84
Wolbach, Robert A.	Physiology	71
Wolff, Harold G.	Medicine (Neurology); Psychiatry	53, 73
Wolff, William I.	Surgery	84
Woodard, Helen Q.	Sloan-Kettering (Biochemistry)	98
Woodward, Walter D.	Psychiatry; Pub. Health & Prev. Med.	74, 76
Woolley, George W.	Sloan-Kettering (Biology)	98
Wright, Harold S.	Psychiatry	74
Wright, Irving S.	Medicine	53
Wright, Mary Elizabeth	Biochemistry	51
Wroblewski, Felix	Medicine	56
Yeager, Robert L.	Medicine (Tuberculosis)	57
Zborowski, Mark	Medicine	56
Zins, Eugene I.	Medicine	57
Zipser, Stanley S.	Pediatrics	67
Zucker, Seymour	Medicine	56

SUMMARY OF MEDICAL COLLEGE STAFF

Full Professors	37
Associate Professors	86
Assistant Professors	157
Instructors, Assistants, etc.	421
Total	701

SUMMARY OF SLOAN-KETTERING DIVISION STAFF

Full Professors	12
Associate Professors	11
Assistant Professors	13
Instructors, Assistants, etc.	44
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Total	80